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Search Results.

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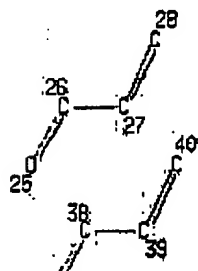
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H 62 O 63

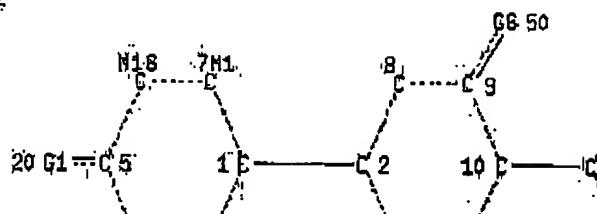
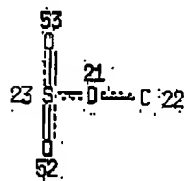
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H 67 F 58

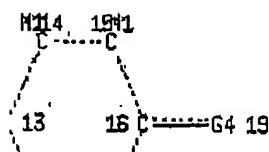
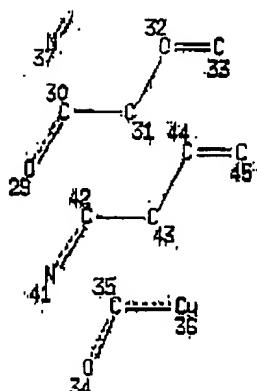
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Page 1-A



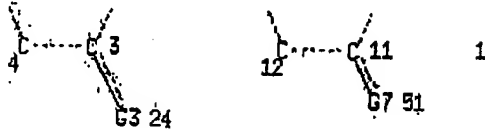
Page 1-B



Page 2-A



Page 2-B



Page 3-A



Page 3-B

VAR G1=54/55/56/22

VAR G3=57/58

VAR G4=25/29/34/37/41/46

VAR G5=59/60/61

VAR G6=62/63

VAR G7=64/65

NODE ATTRIBUTES:

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HCOUNT	IS M1	AT	54
HCOUNT	IS M1	AT	56
HCOUNT	IS M1	AT	61
HCOUNT	IS M2	AT	65
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GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 65

STEREO ATTRIBUTES: NONE

=> s 16

SAMPLE SEARCH INITIATED 11:37:34 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 396 TO ITERATE

100.0% PROCESSED 396 ITERATIONS
 SEARCH TIME: 00.00.01

31 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 6727 TO 9113
 PROJECTED ANSWERS: 286 TO 954

L7 31 SEA SSS SAM L6

=> s 16 ful

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 FULL SCREEN SEARCH COMPLETED - 8275 TO ITERATE

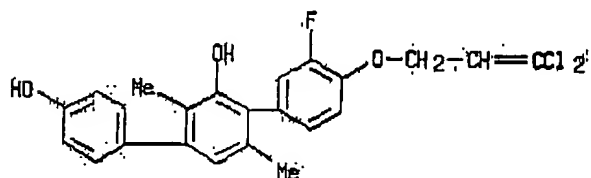
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433 ANSWERS

L8 433 SEA SSS FUL L6

=> d scan

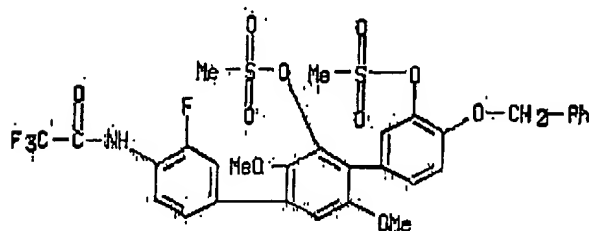
L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN [1,1':4',1''-Terphenyl]-2',4''-diol, 4-[(3,3-dichloro-2-propenyl)oxy]-3-
 fluoro-3',6'-dimethyl- (9CI)
 MF C23 H19 Cl2 F O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

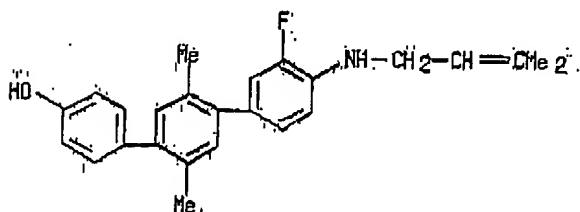
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)5

L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Acetamide, 2,2,2-trifluoro-N-[3-fluoro-2',5'-dimethoxy-3',3''-
[(methylsulfonyl)oxy]-4''-(phenylmethoxy)[1,1':4',1''-terphenyl]-4-yl]-
(9CI)
MF C31 H27 F4 N O10 S2



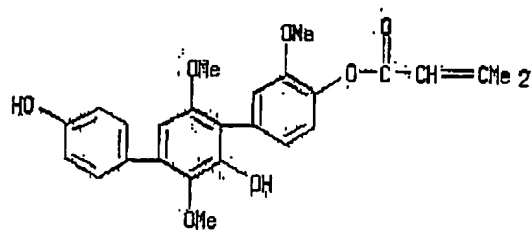
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN [1,1':4',1''-Terphenyl]-4-ol, 3''-fluoro-2',5'-dimethyl-4''-[(3-methyl-2-
butenyl)amino]- (9CI)
MF C25 H26 F N O



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

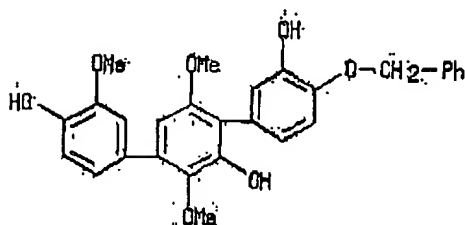
L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 3-methyl-, 2',4''-dihydroxy-3,3',6'-
trimethoxy[1,1':4',1''-terphenyl]-4-yl ester (9CI)
MF C26 H26 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

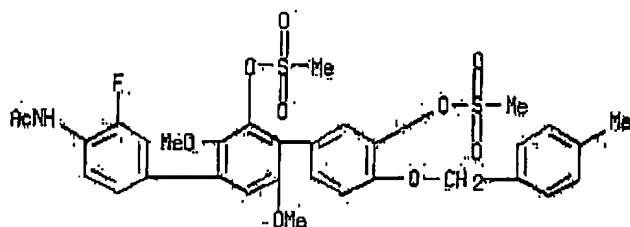
L8 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',3'',6'-trimethoxy-4-

(phenylmethoxy)- (9CI)
MF C28 H26 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

LS 433 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Acetamide, N-[3-fluoro-2',5'-dimethoxy-4''-[(4-methylphenyl)methoxy]-
3',3''-bis[(methylsulfonyl)oxy]][1,1':4',1''-terphenyl]-4-yl]- (9CI)
MF C32 H32 F N O10 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)end

=> fil cap

COST IN JAPANESE YEN

SINCE FILE	TOTAL
ENTRY	SESSION
20258	20287

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:39:16 ON 09 SEP 2002

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FILE COVERS 1907 - 8 Sep 2002 VOL 137 ISS 11

FILE LAST UPDATED: 6 Sep 2002 (20020906/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> # 18

L9 10 L8

=> & bib abs 1-

YOU HAVE REQUESTED DATA FROM 10 ANSWERS - CONTINUE? Y/(N):Y

L9 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full
Text References

AN 2002:555447 CAPLUS

DN 137:124988

TI Preparation of terphenyl compounds bearing substituted amino groups as immunosuppressants and/or allergy inhibitors

IN Tsurii, Tatsuo; Takechi, Shozo; Horibe, Isao

PA Shionogi & Co., Ltd., Japan

SO PCT Int. Appl., 183 pp.

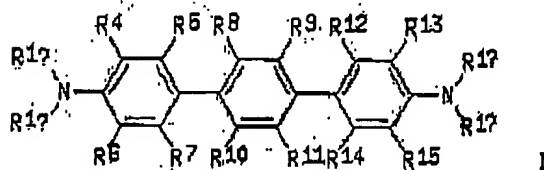
CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002057216	A1	20020725	WO 2002-JP200259	20020117
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GE, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CG, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				
PRAI JP 2001-10057	A	20010118		
OS MARPAT 137:124988				
GI				



AB Comps. represented by the general formula [I; wherein R1a, R1b, R1c, R1d = H, lower alkyl, lower alkenyl, lower alkynyl, lower alkylsulfonyl, cycloalkyl, lower alkoxy carbonyl, lower alkyl-(un)substituted heterocyclyl, lower alkoxy carbonyl and/or carboxy-(un)substituted aryl, lower alkyl (un)substituted with at least one of carboxy and amino groups, lower alkenyl, lower alkynyl, halo-(un)substituted acyl, halo-(un)substituted lower alkylsulfonyl, cycloalkyl, etc.; R4-R15 = H, halo, HO, CO2H, guanidino, NO2, cyano, each (un)substituted lower alkyl, lower alkoxy, alkenyloxy, cycloalkyloxy, acyl, acyloxy, lower alkoxy carbonyl, alkenyloxy carbonyl, lower alkylthio, alkenylthio, NH2, carbamoyl, sulfamoyl, lower alkoxy carbonyl, amino, nitro, lower alkylsulfonyl, lower alkylsulfonyloxy, arylsulfonyl, lower alkylsulfinyl, or arylsulfonyloxy], prodrugs thereof, or pharmaceutically acceptable salts thereof, or hydrates thereof are prepd. Also claimed are IgE prodn. inhibitors, Th2 differentiation inhibitors, antiallergic agents, or immunosuppressants contg. I, or drugs thereof, or pharmaceutically acceptable salts thereof, or hydrates thereof. Thus, 332 mg 2',3',5'-trimethyl-6'-methoxy-[1,1':4',1'']-terphenyl-4,4''-diamine was

dissolved in 14 mL THF, followed by adding 0.88 mL cyclopentanone and 0.23 mL AcOH, and the resulting mixt. was stirred at room temp. for 40 min, treated with 2.23 g sodium triacetoxymethylborohydride, and stirred at room temp. for 5 h to give N4,N4''-dicyclopentyl-2',3',5'-trimethyl-6'-methoxy-[1,1':4',1'']-terphenyl-4,4''-diamine (II). A tablet formulation contg. II was described. Balb/c mice was immunized with dinitrophenyl group-linked Ascaris protein (protein extd. from pig Ascaris) and then administered with 4,4''-bis(isopropylamino)-5'-methoxy-5-methyl-[1,1':4',1'']-terphenyl-3'-carboxylic acid Me ester (III) at 30 mg/kg p.o. for 6 consecutive days. The differentiation of CD4-pos. T cells of the above mice lymph node into IFN γ -pos. cells (Th1) and IL-4-pos. cells (Th2) was significantly inhibited compared to that of control animals administered with saline soln. instead of III.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text References

AN 2001:920327 CAPLUS
DN 137:137137
TI A new practical tritium labeling procedure using sodium borotritide and tetrakis(triphenylphosphine)palladium(0)
AU Nagasaki, Tohru; Sakai, Katsunori; Segawa, Masaharu; Katsuyama, Yoshihiko; Haga, Nobuhiro; Koike, Masahiro; Kawada, Kenji; Takechi, Shozo
CS Discovery Research Laboratories, Shionogi and Co., Ltd., Osaka, 553-0002, Japan
SO Journal of Labelled Compounds & Radiopharmaceuticals (2001), 44(14), 993-1004
CODEN: JLCRD4; ISSN: 0362-4803
PB John Wiley & Sons Ltd.
DT Journal
LA English
AB A simple, mild and versatile new tritium (3H) labeling method on a micro scale using sodium borotritide (NaB3H4) and a transition-metal complex catalyst is described. 3H-labeled compds. were prepd. effectively by 3H hydrogenolysis of appendant functional groups in target compds. The appendant functional group such as bromo, iodo or sulfonate in various target compds. can be replaced by tritium (3H) in moderate yields. The new method was established by optimization of the reaction conditions and examn. of its applicability using four types of model substrates in tracer runs. Then, various drug candidates and ligands for drug discovery were labeled with tritium on a micro scale. The specific radioactivity of the 3H-labeled compds. used for the studies on receptor binding ranged from 12 to 20 Ci/mmol.

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text References

AN 2001:886013 CAPLUS
DN 136:19727
TI Method for labeling with tritium
IN Nagasaki, Tohru
PA Shionogi & Co., Ltd., Japan
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001092188	A1	20011206	WO 2001-JP4349	20010524
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W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,

LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2000-158306 A 20000529

OS CASREACT 136:19727

AB A method for prepg. a tritium-labeled compd., characterized in that it comprises reacting an org. compd. with a hydride reagent in the presence of a solvent and a catalyst; and a tritium-labeled compd. prepd. by the method. The method allows the introduction of tritium at the last stage of synthesis and thus the prepn. of a tritium-labeled compd. having a high specific radioactivity. Prepd. tritium-labeled compds. are useful as screening agents in biol. tests. Thus, 4-C6H5C6H43H was prepd. from 4-C6H5C6H4Br and NaB3H4 in DMF in the presence of catalyst Pd(PPh3)4, Pd(OAc)2, Pd(PhCN)2Cl2, Pd2(dba)3, Ru(PPh3)3Cl2, Rh(PPh3)3Cl, NiCl2, CoCl2, or RhCl3).

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full
Text

AN 2001:78224 CAPLUS

DN 134:131433

TI Preparation of tricyclic compounds as inhibitors of cell differentiation into Th2 cells

IN Arimura, Akinori; Kawada, Kenji

PA Shionogi & Co., Ltd., Japan

SO PCT Int. Appl., 102 pp.

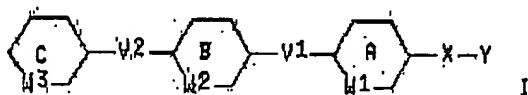
CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001007032	A1	20010201	WO 2000-JP4725	20000714
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000012697	A	20020409	BR 2000-12697	20000714
EP 1206935	A1	20020522	EP 2000-946316	20000714
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
NO 2001006401	A	20020123	NO 2001-6401	20011221
PRAI JP 1999-209298	A	19990723		
WO 2000-JP4725	W	20000714		
OS MARPAT 134:131433				
GI				



AB The title compds. I [rings A, B and C are each an arom. carbon ring, a heterocycle, etc.; X represents a single bond, O, CH2, NH, SO, etc.; Y represents hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl, etc.; and V1 and V2 represent each a single

bond, O, NH, OCH₂, etc.; when ring A, B, or C is (un)substituted 5-membered heterocyclic ring, W₁, W₂, W₃ = bond] are prepd. Comps. of this invention at 40 mg/kg gave significant inhibition of Th0 cell differentiation into Th2 cells. Formulations are given.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

I9 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Citings
Text References

AN 2001:63960 CAPLUS

DN 134:116239

TI Preparation of p-terphenyl compounds bearing acyloxymethoxycarbonyl side chains as prodrugs for allergy inhibitors and immunosuppressants

IN Aono, Katsutoshi; Ichihashi, Teruhisa; Tsuru, Tatsuo

PA Shionogi and Co., Ltd., Japan

SO PCT Int. Appl., 79 pp.

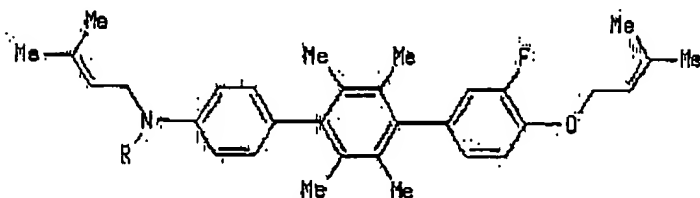
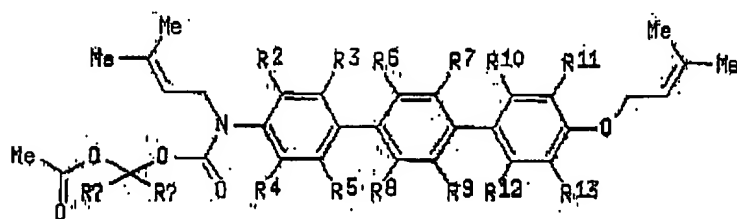
CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001005750	A1	20010125	WO 2000-JP4723	20000714
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PRAI JP 1999-204976	A	19990719		
OS MARPAT 134:116239				
GI				



AB Comps. of general formula (I), pharmaceutically acceptable salts thereof, or solvates of both (wherein R₁ is lower alkyl substituted with a nonionic and hydrophilic group; R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₂, and R₁₃ are each independently hydrogen, HO, halo, CO₂H, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyl, optionally substituted alkenyloxy, optionally substituted alkylthio, optionally substituted lower alkoxycarbonyl, or the like; and R_A and R_B are each independently hydrogen or lower alkyl), which are prodrugs with improved oral absorbability, and possess potent immunosuppressant and/or antiallergic activity in their activated forms,

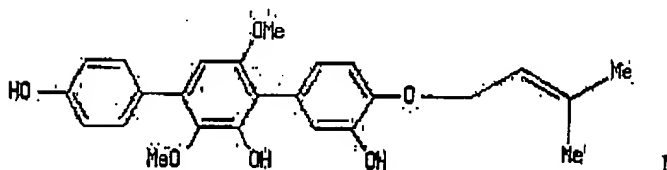
are prepd. Thus, a suspension of 190 mg glycolic acid, 173 mg K₂CO₃, and 5 mL DMF was stirred at room temp. for 10 min, followed by successively adding 282 mg chloromethyl N-isoprenyl-N-(p-terphenyl)carbamate deriv. (II; R = CO₂CH₂Cl) and 60 mg KBr, and the resulting mixt. was vigorously stirred at room temp. for 20 h to give 45% II (R = CO₂CH₂O₂CCH₂OH) (III). When III at 20 mg/kg p.o. was administered to rats, it was not detected in the blood serum but its parent form, i.e. II (R = H), existed with the max. serum concn. of 5.1 µg/mL vs. 2.5 µg/mL for the parent. A tablet formulation contg. III was prepd.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
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AN 1998:499476 CAPLUS
DN 129:260254
TI Total Synthesis of Terprenin, a Novel Immunosuppressive p-Terphenyl Derivative
AU Yonezawa, Shuji; Komurasaki, Tadafumi; Kawada, Kenji; Tsuru, Tatsuo; Fuji, Masahiro; Kugimiya, Akira; Haga, Nobuhiro; Mitsumori, Susumu; Inagaki, Masanao; Nakatani, Takuji; Tamura, Yoshinori; Takechi, Shozo; Taishi, Teruhiko; Ohtani, Mitsuaki
CS Shionogi Research Laboratories, Shionogi Co. Ltd., Fukushima-ku Osaka, 553-0002, Japan
SO Journal of Organic Chemistry (1998), 63(17), 5831-5837
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 129:260254
GI



AB The authors achieved a total synthesis of terprenin (I), a novel potent IgE antibody suppressant which was obtained from the ferm. broth of *Aspergillus candidus* RF-5672 and has a highly oxygenated p-terphenyl skeleton with a prenyloxy side chain. The key steps relied on the Suzuki reaction to construct the terphenyl skeleton and on regioselective halogenations to selectively combine the arom. rings. The highly efficient and practical prodn. of this important natural product offers promise for the development of a new type of antiallergic drug.

L9 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
--------------	----------------------

AN 1998:305188 CAPLUS
DN 129:4518
TI Total synthesis of terprenin, a highly potent and novel immunoglobulin E antibody suppressant
AU Kawada, Kenji; Arimura, Akinori; Tsuru, Tatsuo; Fuji, Masahiro; Komurasaki, Tadafumi; Yonezawa, Shuji; Kugimiya, Akira; Haga, Nobuhiro; Mitsumori, Susumu; Inagaki, Masanao; Nakatani, Takuji; Tamura, Yoshinori; Takechi, Shozo; Taishi, Teruhiko; Kishino, Junji; Ohtani, Mitsuaki
CS Shionogi Res. Lab., Shionogi & Co., Ltd., Osaka, 553, Japan
SO Angewandte Chemie, International Edition (1998), 37(7), 973-975
CODEN: ACIEF5; ISSN: 1433-7851
PB Wiley-VCH Verlag GmbH
DT Journal
LA English

AB Several synthetic pathways toward the title compd., terpenin, were reported. New pharmacol. activities of terpenin were not reported.

L9 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full
Text References

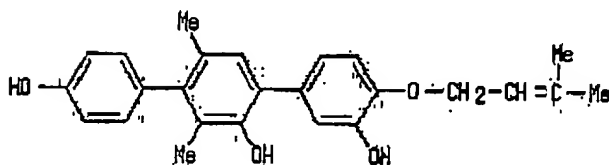
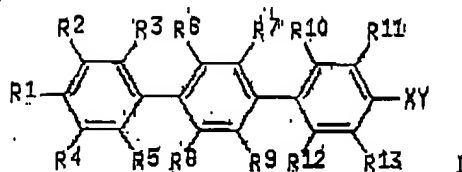
AN 1998:297647 CAPLUS
DN 129:38540
TI Terpenins, novel immunosuppressants produced by *Aspergillus candidus*
AU Kamiguchi, Toshiyuki; Sakazaki, Ryuji; Nagashima, Kazuo; Kawamura, Yoshiaki; Yasuda, Yukio; Matsushima, Keisuke; Tani, Hiroyoshi; Takahashi, Yasuo; Ishii, Kikuo; Suzuki, Ryuji; Koizumi, Kenzo; Nakai, Hiroshi; Ikenishi, Yuji; Terui, Yoshihiro
CS Shionogi Research Laboratories, Shionogi & Co., Ltd., Fukushima-ku, Osaka, 553-0002, Japan
SO Journal of Antibiotics (1998), 51(4), 445-450
CODEN: JANTAJ; ISSN: 0021-8820
PB Japan Antibiotics Research Association
DT Journal
LA English
AB The authors report the ferment., isolation, structure elucidation, and immunosuppressant activity of three terpenins from *A. candidus*.

L9 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full
Text References

AN 1998:102832 CAPLUS
DN 128:153923
TI Preparation and formulation of p-terphenyl compounds as IgE production inhibitors
IN Kawada, Kenji; Ohtani, Mitsuaki; Suzuki, Ryuji; Arimura, Akinori
PA Shionogi + Co., Ltd., Japan; Kawada, Kenji; Ohtani, Mitsuaki; Suzuki, Ryuji; Arimura, Akinori
SO PCT Int. Appl., 494 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9804508	A1	19980205	WO 1997-JP2635	19970730	→ the present application
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
AU 9737067	A1	19980220	AU 1997-37067	19970730	
AU 729320	B2	20010201			
EP 933346	A1	19990804	EP 1997-933837	19970730	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
BR 9710780	A	19990817	BR 1997-10780	19970730	
CN 1232443	A	19991020	CN 1997-198341	19970730	
NO 9900415	A	19990326	NO 1999-415	19990128	
KR 2000029669	A	20000525	KR 1999-700747	19990129	
PRAI JP 1996-201859	A	19960731			
JP 1996-287782	A	19961030			
JP 1997-86085	A	19970318			
WO 1997-JP2635	W	19970730			
OS MARPAT 128:153923					
GI					



AB The title compds. I [R1 to R13 represent each hydrogen, halogeno, lower alkyl, lower alkoxy, etc.; X represents O, etc.; and Y represents lower alkyl or lower alkenyl] are prepd. I are selective and potent IgE prodn. inhibitors; I inhibit the prodn. of IgE in the process of differentiation of matured B cells into antibody-producing cells and give min. inhibition of the prodn. of IgG, IgM and/or IgA. This patent application discloses 1353 compds. I with NMR and/or IR spectral data. In an in vitro test using B cells, the title compd. II showed IC50 of <0.00001 ng/mL against the prodn. of IgE.

L9 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS

Full Citings
Full References

AN 1997:717879 CAPLUS

DN 127:330438

TI Manufacture of terphenyl compounds with *Aspergillus candidus* as immunosuppressants, anticancer, and antiinflammatory agents

IN Kamigauchi, Toshiyuki; Suzuki, Ryuji

PA Shionogi & Co., Ltd., Japan; Kamigauchi, Toshiyuki; Suzuki, Ryuji

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

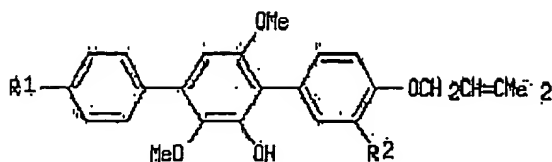
DT Patent

LA Japanese

FAN.CNT 1

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PI	WO 9739999	A1	19971030	WO 1997-JP1261	19970411
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	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	CA 2248940	AA	19971030	CA 1997-2248940	19970411
	AU 9723081	A1	19971112	AU 1997-23081	19970411
	EP 895981	A1	19990210	EP 1997-915711	19970411
	EP 895981	B1	20010207		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	CN 1216521	A	19990512	CN 1997-194003	19970411
	AT 199083	E	20010215	AT 1997-915711	19970411
	ES 2155991	T3	20010601	ES 1997-915711	19970411
	TW 419459	B	20010121	TW 1997-86104783	19970414
	US 6087540	A	20000711	US 1998-142215	19980903
	US 6291231	B1	20010918	US 2000-551617	20000417
PRAI	JP 1996-126582	A	19960422		
	WO 1997-JP1261	W	19970411		
	US 1998-142215	A3	19980903		

OS MARPAT 127:330438
GI



AB Comps. represented by general formula (I; R = CH₂CH:CM₂; R₁ = H, OH; R₂ = HO, MeO) or pharmaceutically acceptable salts thereof or hydrates of the compts. are obtained by culturing *A. candidus* or 2-methyl-2-butenylation of hydroxyterphenyl derivs. I (R = H; R₁, R₂ = same as above). An immunosuppressant and an antiinflammatory and anticancer agent contg. above compd. I as the active ingredient are claimed. Thus, *A. candidus* RF-5762 was shake-cultured in a medium contg. glycerin 2.0, sucrose 2.0, beef ext. 0.3, and yeast ext. 0.2% (pH 7.0) for 12 days. The cultured liq. (2 L) was suction-filtered and the sepd. organism was extd. twice with 500 mL acetone. The acetone ext. and filtrate were combined and extd. with EtOAc (500 mL 2) and the ext. was washed with water and distd. in vacuo to give a crude substance (7.85 g), which was purified by silica gel chromatog. and medium pressure liq. chromatog. using a YMC GEL ODS-AM120-S50 and ODS-AM120-S5 column and HPLC using a YMC-Pack ODS-AM and AM-302 columns to give I (R = CH₂CH:CM₂, R₁ = R₂ = OH) (II), I (R = CH₂CH:CM₂, R₁ = H, R₂ = OH), I (R = CH₂CH:CM₂, R₁ = OH, R₂ = OMe), I (R = R₁ = H, R₂ = OH), I (R = H, R₁ = R₂ = OH), and 3,3''-dihydroxyterphenyllin. II showed IC₅₀ of 1.0, 0.2, and 12.0 ng/mL for inhibiting the proliferation of human lung cancer Lu-99, human leukemia CCFR-CEM, and mouse leukemia P388 cells, resp. A tablet formulation contg. II was described.

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FULL ESTIMATED COST

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SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST

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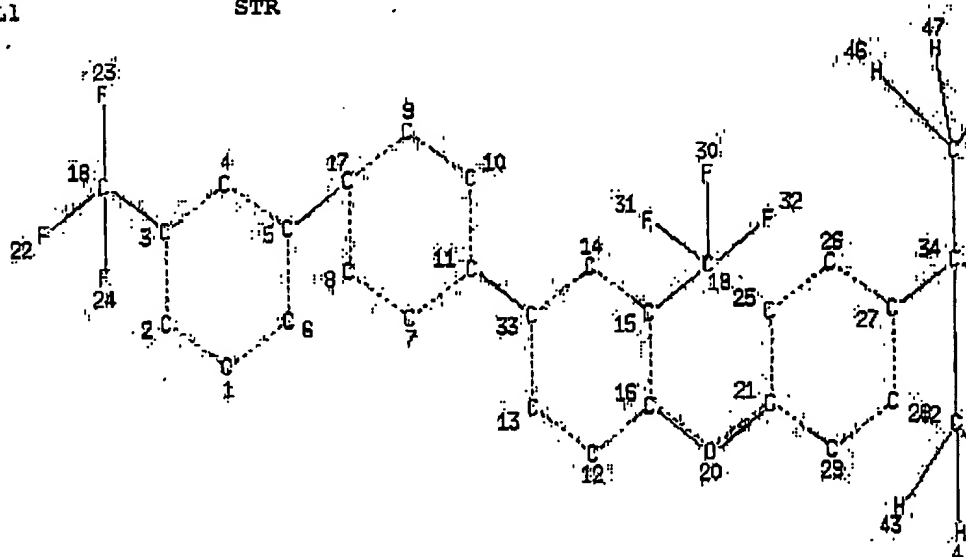
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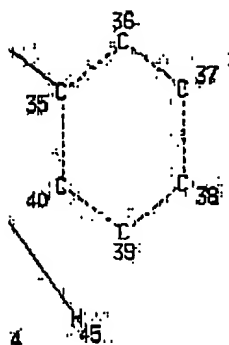
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Page 1-A



Page 1-B

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STEREO ATTRIBUTES: NONE

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 SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

1 ANSWERS

100.0% PROCESSED 8 ITERATIONS
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FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
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 PROJECTED ANSWERS: 1 TO 80

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 FULL SCREEN SEARCH COMPLETED - 168 TO ITERATE

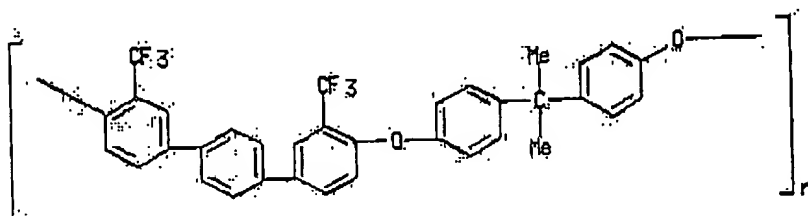
1 ANSWERS

100.0% PROCESSED 168 ITERATIONS
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L3 1 SEA SSS FUL L1

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L3 1 ANSWERS REGISTRY COPYRIGHT 2002 ACS
 IN Poly[oxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxy[3,3''-bis(trifluoromethyl)-1,1':4',1''-terphenyl-4,4''-diyl]] (9CI)
 MF (C35 H24 F6 O2)n
 CI PMS
 MF (C35 H24 F6 O2)n
 CI PMS



ALL ANSWERS HAVE BEEN SCANNED

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 COST IN JAPANESE YEN
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
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=> s l3

L4 3 L3

=> d bib abs 1-

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L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

FULL
TEXT

AN 2001:501371 CAPLUS
DN 135:227567
TI High-temperature polymers for advanced microelectronics
AU Maier, Gerhard; Banerjee, Susanta; Hausmann, Jorg; Sezi, Recai
CS Lehrstuhl fur Makromolekulare Stoffe, Technische Universitat Munchen, Garching, D-85747, Germany
SO High Performance Polymers (2001), 13(2), S107-S115
CODEN: HPPOEX; ISSN: 0954-0083
PB Institute of Physics Publishing
DT Journal
LA English
AB Several series of arom. polyethers and polybenzoxazoles with high thermal stability and low dielec. const. were prepd. and characterized. The polyethers were synthesized by nucleophilic arom. displacement of fluorine with phenoxides. In order to avoid strongly polar groups such as carbonyl and sulfone, trifluoromethyl groups were used to activate the fluorine for displacement. An addnl. benefit of the presence of the trifluoromethyl groups is the decreased dielec. const., which fluorinated materials exhibit. This is attributed to two factors: the strong electronegativity of fluorine, resulting in very low polarizability of the C-F bonds, and the larger radius of a fluorine atom in comparison with a hydrogen atom, resulting in increased free vol. Trifluoromethyl substituted terphenyl and quadriphenyl poly(arylether)s prepd. in this study exhibit decompn. temps. far in excess of 500°C, even in air, dielec. consts. below three, and mech. properties comparable to engineering plastics such as polycarbonate and high-performance thermoplastics such as PEEK. Poly(benzoxazole)s were prepd. with and without fluorine substituents. Since most of th poly(benzoxazole)s were insol., they were prepd. via sol. poly(hydroxyamide) precursors, which were converted to the final polymers by thermal treatment. These materials had dielec. consts. as low as 2.69 and also decompn. temps. far above 500°C in air.

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

Full
Text

AN 1999:337805 CAPLUS
DN 131:130344
TI Novel poly(arylene ether)s with pendent trifluoromethyl groups
AU Banerjee, Susanta; Maier, Gerhard; Burger, Martin
CS Lehrstuhl fuer Makromolekulare Stoffe, Technische Universitaet Muenchen,
Garching, D-85747, Germany
SO Macromolecules (1999), 32(13), 4279-4289
CODEN: MAMOBX; ISSN: 0024-9297
PB American Chemical Society
DT Journal
LA English
AB Six novel perfluoroalkyl-activated bispheno monomers have been synthesized successfully using Pd(0)-catalyzed cross-coupling reaction of 4-chloro- or 4-fluoro-3-(trifluoromethyl)phenylboronic acid with 1,4-dibromobenzene, 2,6-dibromopyridine, and 2,5-dibromothiophene. These monomers were converted to poly(arylene ethers) by nucleophilic displacement of the halogen atoms on the benzene ring with several bisphenols. The products obtained by displacement of the fluorine atoms exhibit wt.-av. molar masses up to 3.52 10⁵ g mol⁻¹ in GPC. Displacement of the chlorine atoms from the analogous monomer structures by bisphenols was not successful in obtaining high molar mass products. These poly(arylene ethers) showed very high thermal stability even up to 536°C for 5% wt. loss in TGA in air. Comparatively low thermal stability for the thiophene ring-contg. polymers was attributed to the oxidn. of the sulfur atom of the thiophene ring at high temp. in air, which destroyed the arom. character of the thiophene ring. This was confirmed by investigating the thermal stability of these polymers in an inert environment. The polymers exhibit glass transition temps. (Tg) up to 234°C in DSC. The glass transition temps. taken as peak in tan δ in DMTA measurements are in good agreement with the DSC Tg values. All the polymers are sol. in a wide range of org. solvents, e.g., CHCl₃, THF, NMP, and DMF. Transparent thin films of these polymers cast from THF exhibited tensile strengths up to 70 MPa, a modulus of elasticity up to 2.69 GPa, and elongation at break up to 30% depending on their exact repeating unit structures.

RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

Full
Text

AN 1998:531767 CAPLUS
DN 129:245596
TI Novel poly(aryl ethers) containing terphenyl moieties in the backbone and pendent trifluoromethyl groups
AU Banerjee, Susanta; Burger, Martin; Maier, Gerhard
CS Lehrstuhl fur Makromolekulare Stoffe, Technische Universitat Munchen, Garching, D-85747, Germany
SO Polymer Preprints (American Chemical Society, Division of Polymer Chemistry), (1998), 39(2), 855-856
CODEN: ACPPAY; ISSN: 0032-3934
PB American Chemical Society, Division of Polymer Chemistry
DT Journal
LA English
AB A new trifluoromethyl activated bisfluoro monomer contg. a terphenyl moiety was prepd. This monomer was used to prep. a no. of polyethers by activated fluoro displacement with different bisphenoxides. The polymers have reasonably high mol. wt., high glass temp., and good thermal stability and are sol. in common org. solvents.

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Appendix 3

V. Balasubramanian

Trying 3106016892...Open

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 CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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0.15

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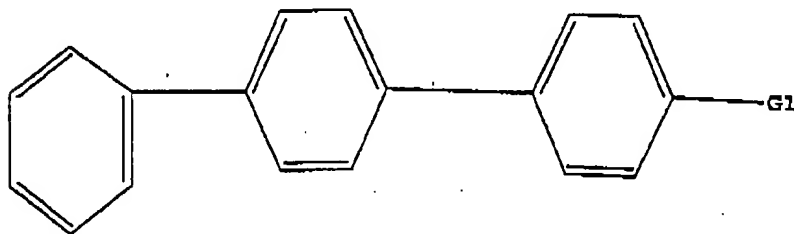
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=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS
L1 STR



G1 C,O,N

Structure attributes must be viewed using STN Express query preparation.

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09/214,277

V. Balasubramanian

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 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

50 ANSWERS

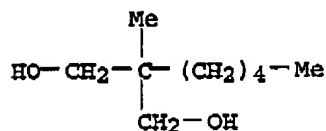
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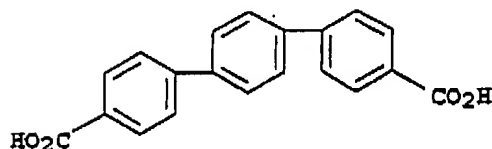
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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4,4''-dicarboxylic acid, polymer with
 2-methyl-2-pentyl-1,3-propanediol (9CI)
 MF (C20 H14 O4 : C9 H20 O2)x
 CI PMS

CM 1



CM 2



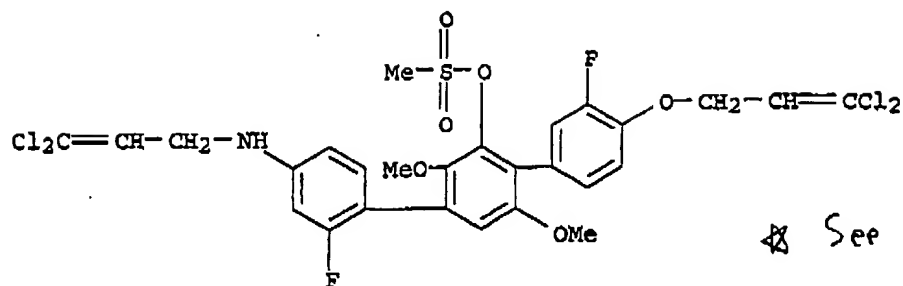
3)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):49

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2'-ol, 4''-[(3,3-dichloro-2-propenyl)amino]-4-
 [(3,3-dichloro-2-propenyl)oxy]-2'',3-difluoro-3',6'-dimethoxy-,
 methanesulfonate (ester) (9CI)
 MF C27 H23 Cl4 F2 N O6 S

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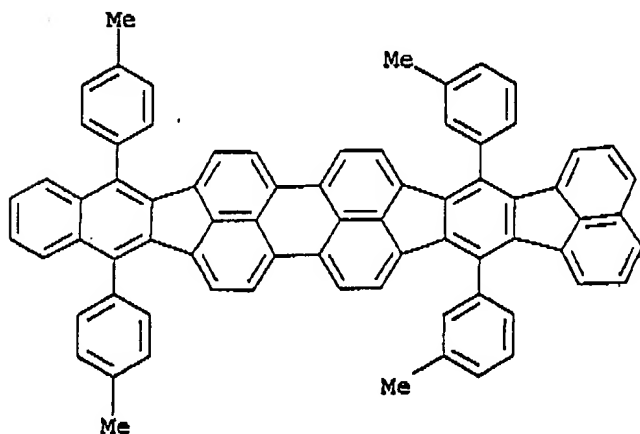
* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN

Benz [5,6]indeno [1',2,3-cd]naphth [1',8':5,6,7]-s-indaceno [1,2,3-lm]perylene,
10,17-bis (3-methylphenyl) -5,22-bis (4-methylphenyl) - (9CI)

MF C74 H46

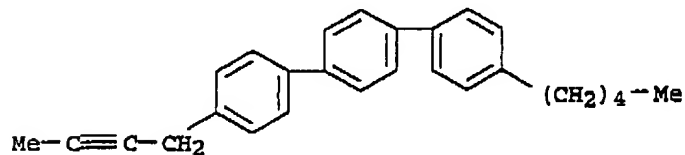


9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 1,1':4',1''-Terphenyl, 4-(2-butynyl)-4''-pentyl- (9CI)

MF C27 H28



3)

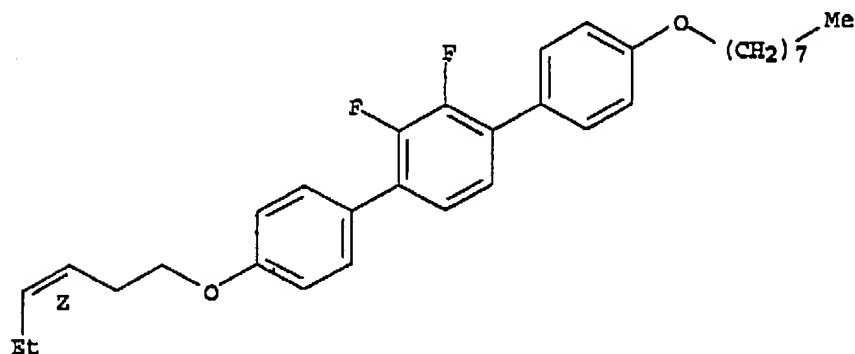
V. Balasubramanian

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 1,1':4',1''-Terphenyl, 2',3'-difluoro-4-(3-hexenyl xy)-4''-(octyloxy)-,
(Z)- (9CI)

MF C32 H38 F2 O2

Double bond geometry as shown.

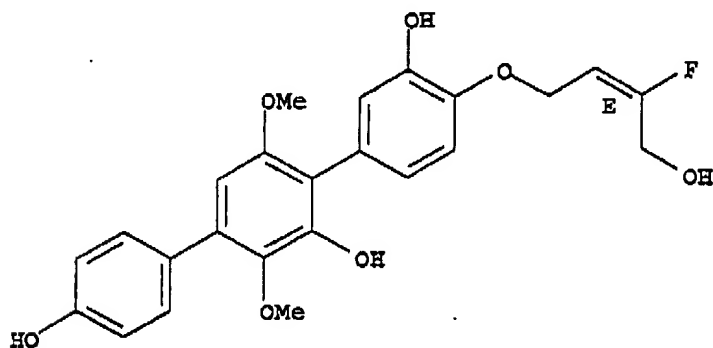


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-[(3-fluoro-4-hydroxy-2-butenyl)oxy]-3',6'-dimethoxy-, (E)- (9CI)

MF C24 H23 F O7

Double bond geometry as shown.



★ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN L-Proline, N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithyl-L-threonyl-N-methylglycyl-(.alpha.S)-.alpha.-amino-4-hydroxybenzenebutanoyl-L-threonyl-4-(ethylamino)-, (6.fwdarw.1)-lactam (9CI)

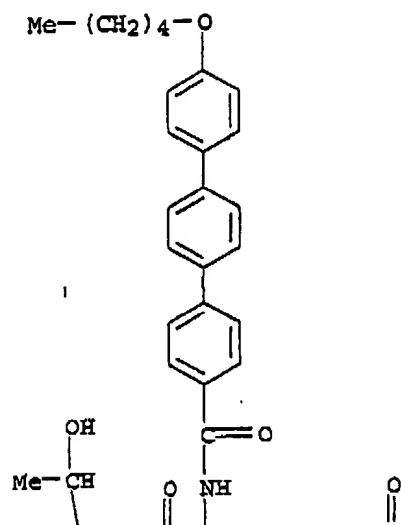
SQL 6

MF C57 H74 N8 O11

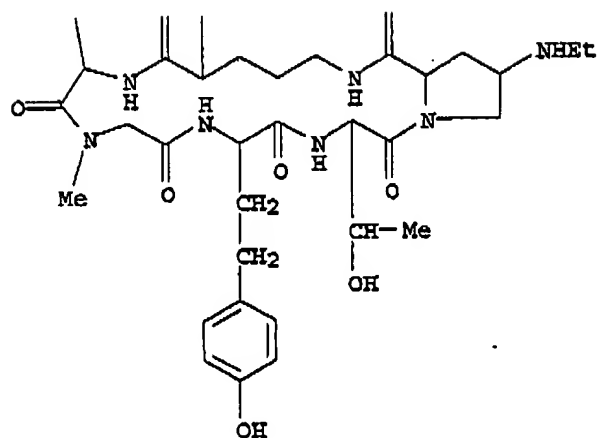
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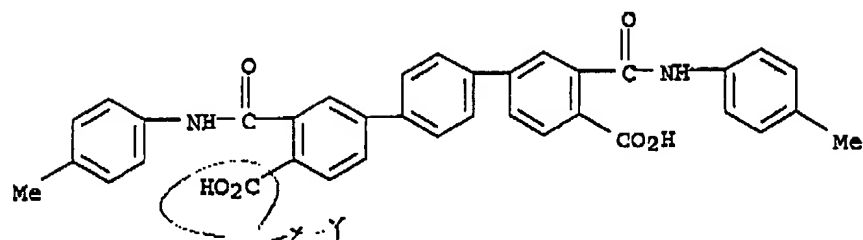
PAGE 2-A



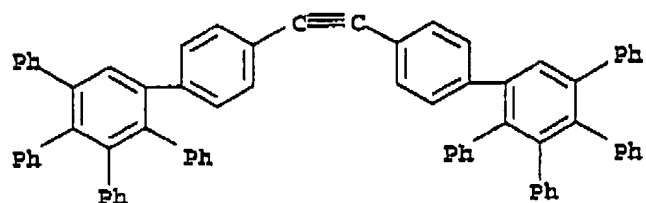
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4,4''-dicarboxylic acid, 3,3''-bis[[(4-methylphenyl)amino]carbonyl] - (9CI)
 MF C36 H28 N2 O6

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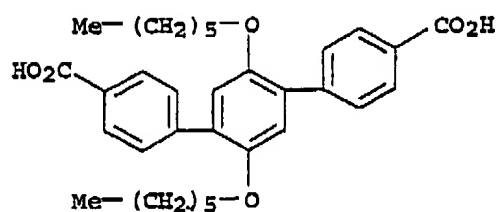


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':2',1''-Terphenyl, 4,4'''-(1,2-ethynediyl)bis[3',4',5'-triphenyl-
 (9CI)
 MF C74 H50



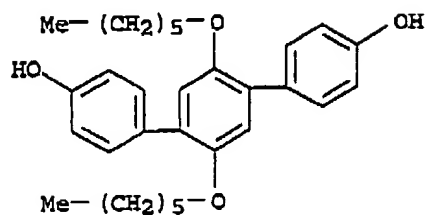
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4,4''-dicarboxylic acid, 2',5'-bis(hexyloxy)-,
 polymer with 2',5'-bis(hexyloxy) [1,1':4',1''-terphenyl]-4,4''-diol (9CI)
 MF (C32 H38 O6 . C30 H38 O4)x
 CI PMS

CM 1



CM 2

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7)

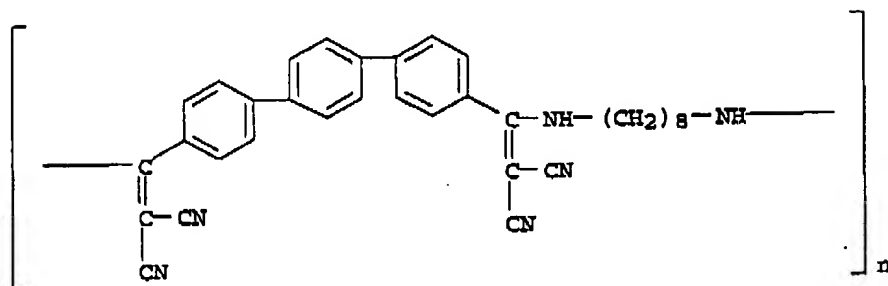
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN

Poly[imino-1,8-octanediyylimino(dicyanoethenylidene)[1,1':4',1''-terphenyl]-4,4''-diyl(dicyanoethenylidene)] (9CI)

MF (C34 H30 N6)_n

CI PMS



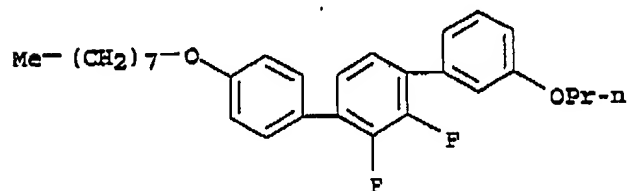
2)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN

1,1':4',1''-Terphenyl, 2',3'-difluoro-4'''-(octyloxy)-3-propoxy- (9CI)

MF C29 H34 F2 O2



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

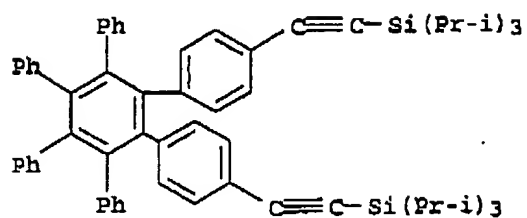
IN

Silane,
[(3',4',5',6'-tetraphenyl[1,1':2',1''-terphenyl]-4,4''-diyl)di-2,1-ethynediyl]bis[tris(1-methylethyl)- (9CI)]

MF C64 H70 Si2

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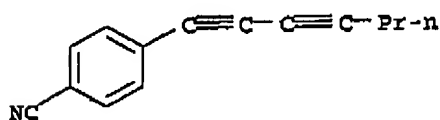
V. Balasubramanian



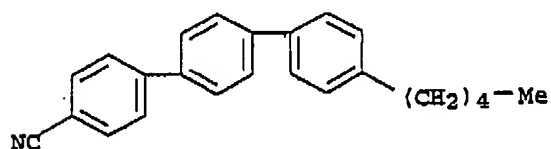
8)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-, mixt. with
 4-(1,3-heptadiynyl)benzonitrile, 4'-heptyl[1,1'-biphenyl]-4-carbonitrile,
 4'-(octyloxy)[1,1'-biphenyl]-4-carbonitrile and
 4'-p ntyl[1,1'-biphenyl]-4-
 carbonitrile (9CI)
 MF C24 H23 N . C21 H25 N O . C20 H23 N . C18 H19 N . C14 H11 N
 CI MXS

CM 1

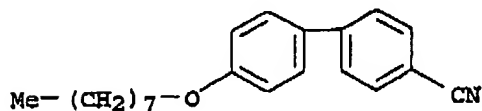


CM 2



3)

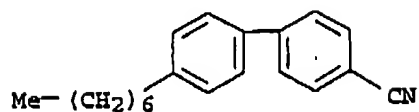
CM 3



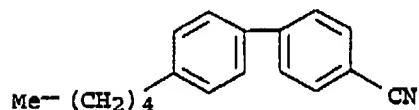
CM 4

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CM 5



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

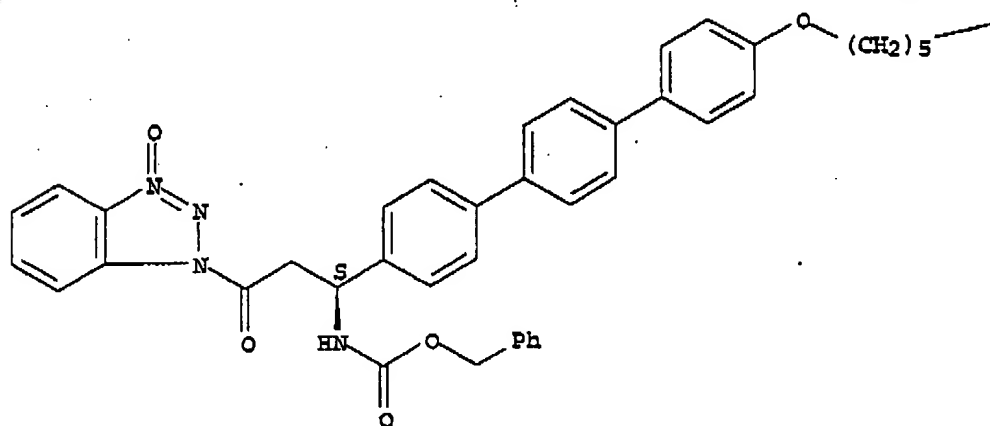
IN Carbamic acid,

[(1S)-1-[4'-[(5-methoxypentyl)oxy][1,1':4',1''-terphenyl]-4-yl]-3-(3-oxido-1H-benzotriazol-1-yl)-3-oxopropyl]-, phenylmethyl ester (9CI)

MF C41 H40 N4 O6

Absolute stereochemistry.

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3)

PAGE 1-B

—OMe

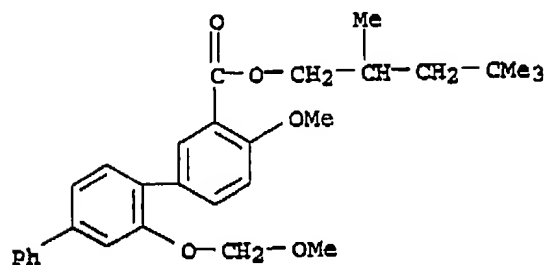
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3-carboxylic acid,
4-methoxy-2'-(methoxymethoxy)-,

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2,4,4-trimethylpentyl ester (9CI)

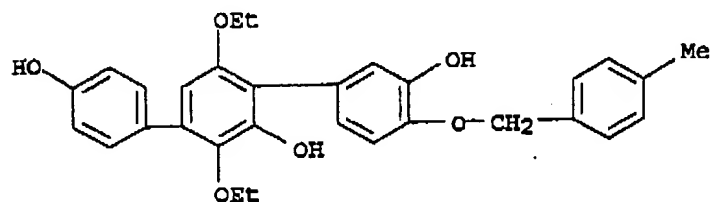
MF C30 H36 O5



5)

R¹³ = optionally substituted alkoxy carbonyl

L3 50 ANSWERS 'REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-diethoxy-4-[(4-methylphenyl)methoxy] - (9CI)
 MF C30 H30 O6



✱

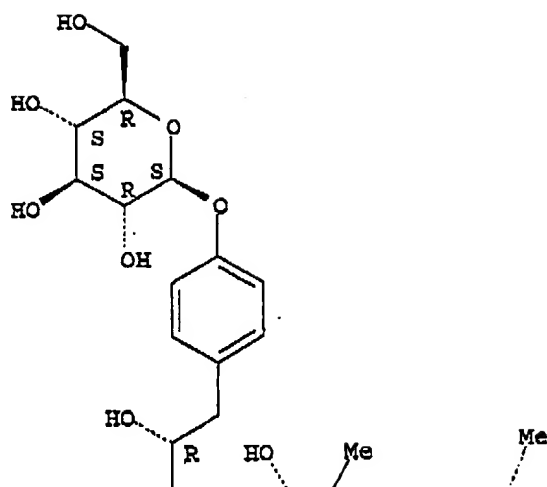
see Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Cilofungin,
 1-[(4R)-4-hydroxy-N2-[(4''-(pentyloxy) [1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-[4-(.beta.-D-glucopyranosyloxy)phenyl]-L-threonine] - (9CI)
 SQL 6
 MF C64 H83 N7 O20

Absolute stereochemistry.

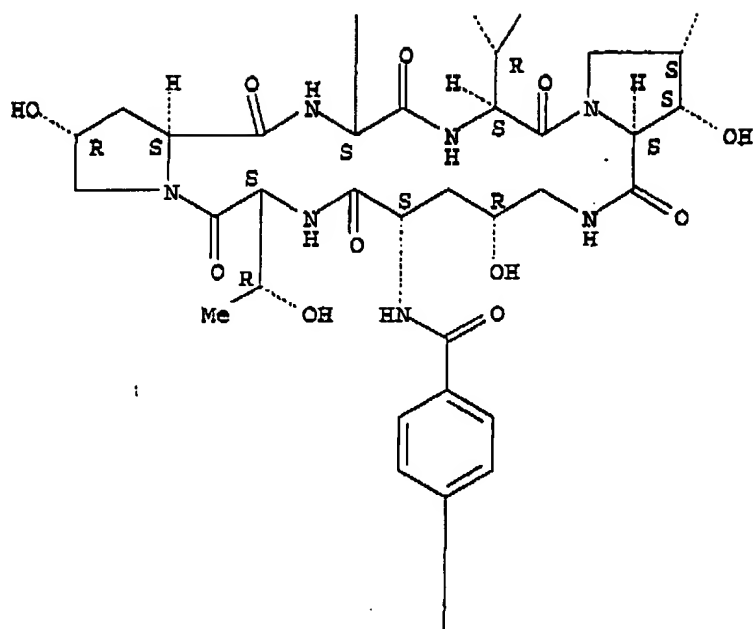
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PAGE 1-A

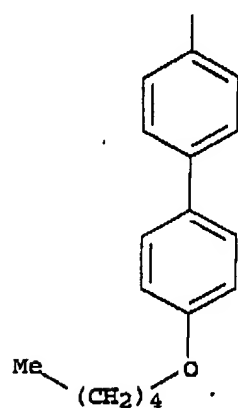


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PAGE 2-A



PAGE 3-A

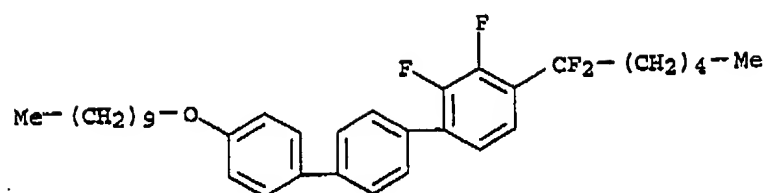


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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 4''-(decyloxy)-4-(1,1-difluorohexyl)-2,3-difluoro-
 (9CI)
 MF C34 H42 F4 O

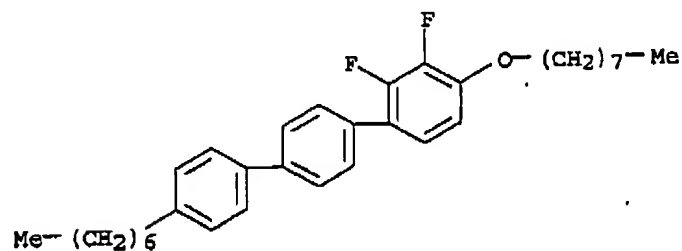
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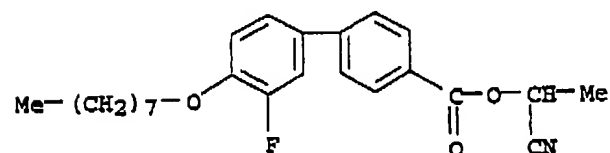


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1'-Biphenyl]-4-carboxylic acid, 3'-fluoro-4'-(octyloxy)-, 1-cyanoethyl
 ester, mixt. with
 2',3'-difluoro-4'-heptyl-4''-nonyl-1,1':4',1''-terphenyl,
 2,3-difluoro-4''-heptyl-4-(octyloxy)-1,1':4',1''-terphenyl,
 2,3-difluoro-4-(hexyloxy)-4''-pentyl-1,1':4',1''-terphenyl,
 2,3-difluoro-4-(octyloxy)-4''-pentyl-1,1'-biphenyl, 2,3-difluoro-4-
 (octyloxy)-4''-pentyl-1,1':4',1''-terphenyl and 5-nonyl-2-[4-
 (nonyloxy)phenyl]pyrimidine (9CI)
 MF C34 H44 F2 . C33 H42 F2 O . C31 H38 F2 O . C29 H34 F2 O . C28 H44 N2 O .
 C25 H34 F2 O . C24 H28 F N O3
 CI MKS

CM 1

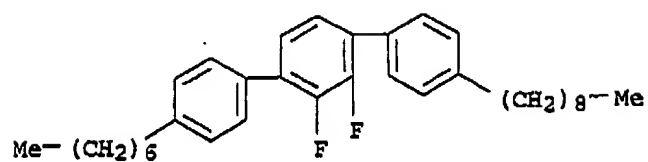


CM 2

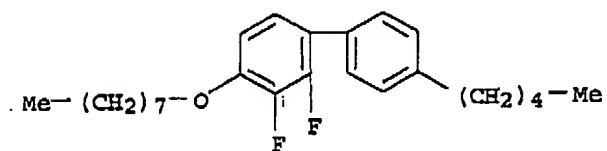


CM 3

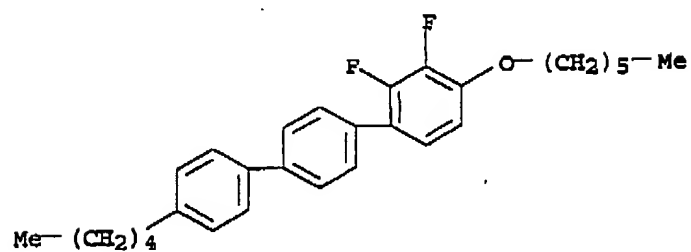
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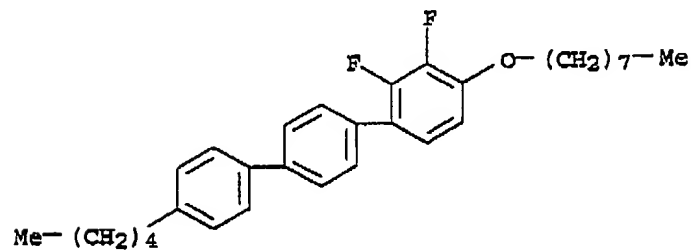
CM 4



CM 5

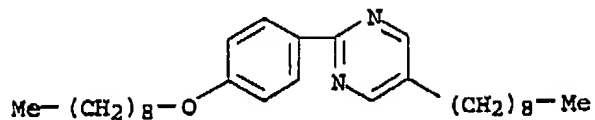


CM 6

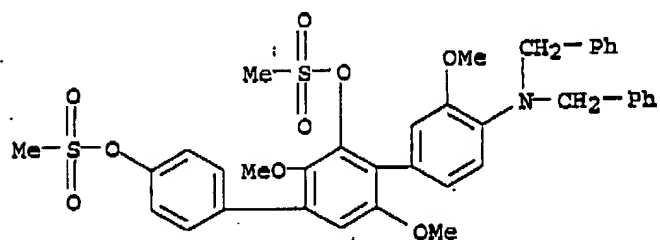


CM 7

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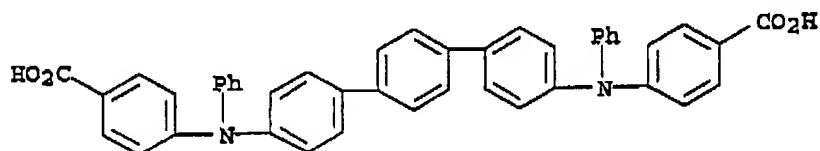


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',4''-diol, 4-[bis(phenylmethyl)amino]-3,3',6'-
 trimethoxy-, dimethanesulfonate (ester) (9CI)
 MF C37 H37 N O9 S2



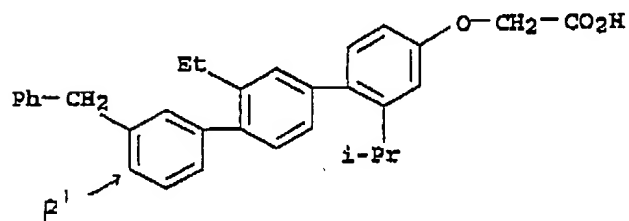
see Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Benzoic acid,
 4,4'-[[1,1':4',1''-terphenyl]-4,4''-diylbis(phenylimino)]bis-
 (9CI)
 MF C44 H32 N2 O4



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN INDEX NAME NOT YET ASSIGNED
 MF C32 H32 O3
 CI COM

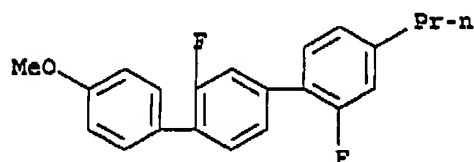


57
 $R^B = H$

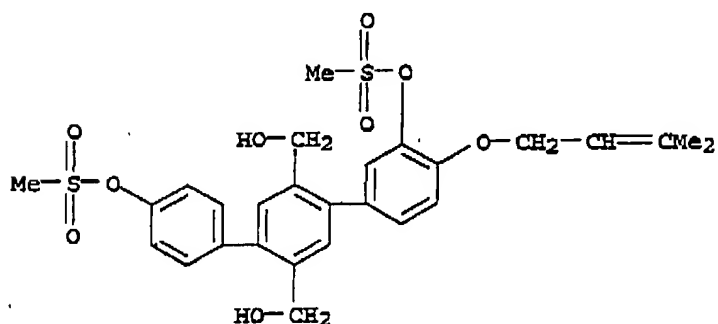
09/214,277

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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 2,3'-difluoro-4''-methoxy-4-propyl- (9CI)
 MF C22 H20 F2 O



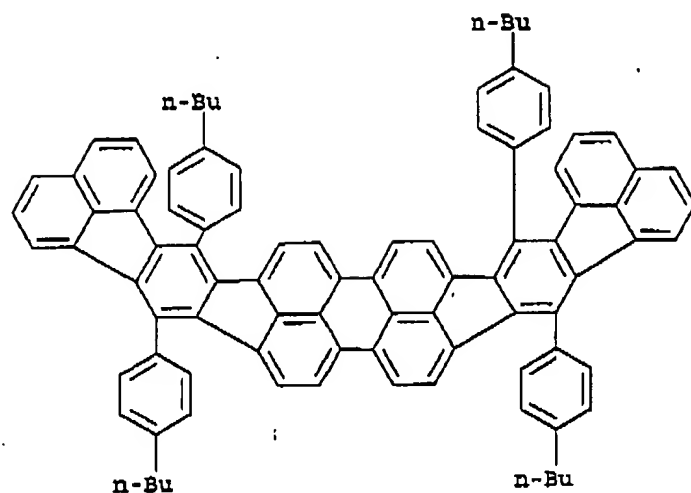
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',5'-dimethanol, 4-[(3-methyl-2-butenyl)oxy]-
 3,4''-bis[(methylsulfonyl)oxy]- (9CI)
 MF C27 H30 O9 S2



* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Bisanaphth[1',8':5,6,7]-s-indaceno[1,2,3-cd:1',2',3'-lm]perylene,
 4,9,16,21-tetrakis(4-butylphenyl)- (9CI)
 MF C92 H72

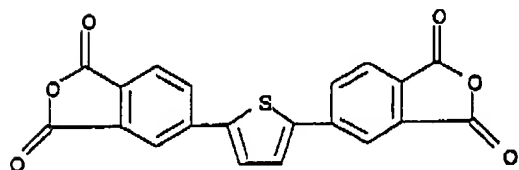
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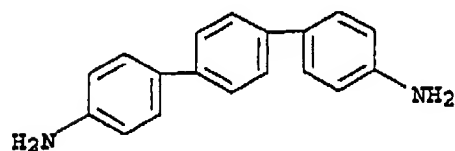
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,3-Isobenzofurandione, 5,5'-(2,5-thiophenediyl)bis-, polymer with
 [1,1':4',1''-terphenyl]-4,4''-diamine (9CI)
 MF (C20 H8 O6 S . C18 H16 N2)x
 CI PMS

CM 1



CM 2



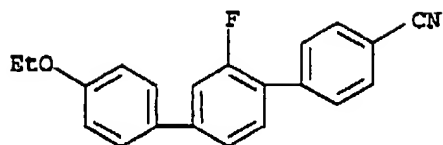
3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-ethoxy-2'-fluoro- (9CI)
 MF C21 H16 F N O

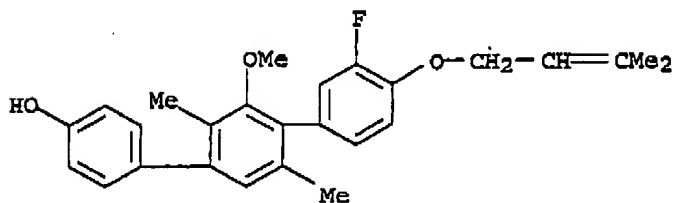
09/214,277

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CI COM



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-ol,
 3''-fluoro-3'-methoxy-2',5'-dimethyl-4''-[(3-
 methyl-2-butenyl)oxy]- (9CI)
 MF C26 H27 F O3

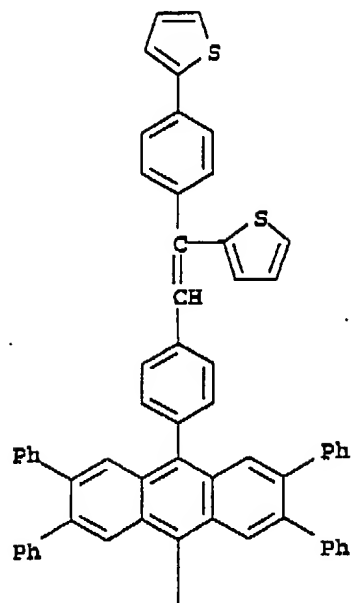


* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Thiophene, 2,2'-[(2,3,6,7-tetraphenyl-9,10-anthracenediyl)bis[4,1-
 phenylene[1-(2-thienyl)-2,1-ethenediyl]-4,1-phenylene]]bis- (9CI)
 MF C82 H54 S4

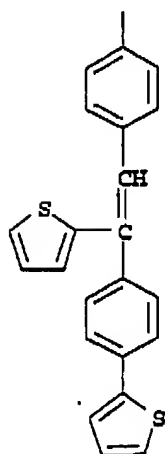
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PAGE 1-A



9)

PAGE 2-A

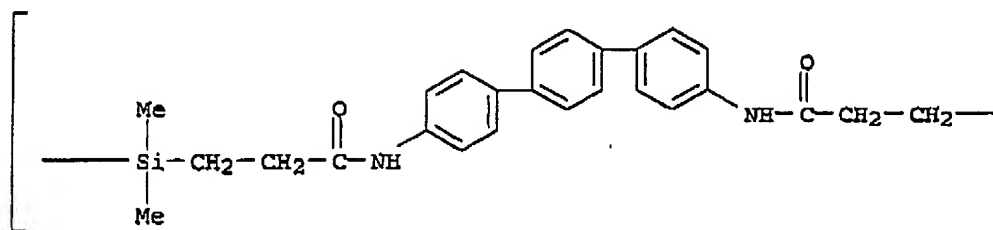


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2-Propenoic acid, 2-methyl-, 2-([1,1':4',1'':4'',1''':4''',1''''-quaterphenyl]-4-yloxy)ethyl ester, polymer with 2-ethylhexyl 2-propenoate (9CI)
 MF (C30 H26 O3 . C11 H20 O2)x

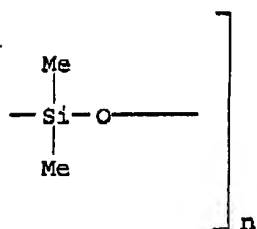
09/214,277

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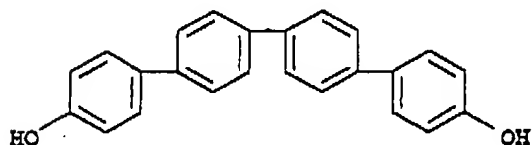


PAGE 1-B

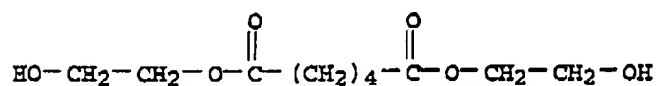


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Hexanedioic acid, bis(2-hydroxyethyl) ester, polymer with 1,6-hexanediol,
 1,1'-methylenebis[4-isocyanatobenzene] and [1,1':4',1'':4'',1''':4''',1''''-
 quaterphenyl]-4,4''''-diol (9CI)
 MF (C24 H18 O2 . C15 H10 N2 O2 . C10 H18 O6 . C6 H14 O2)x
 CI PMS

CM 1



CM 2

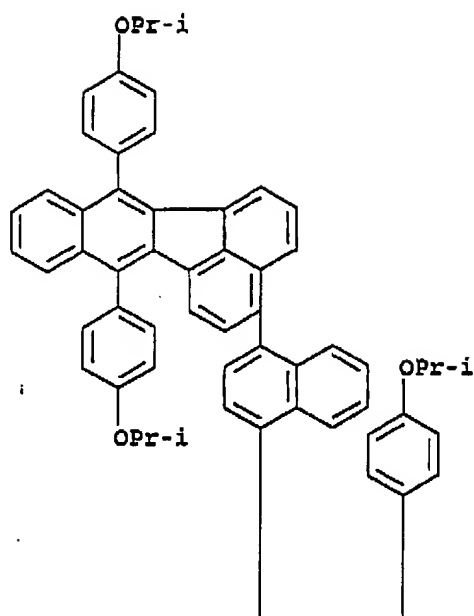


CM 3

09/214,277

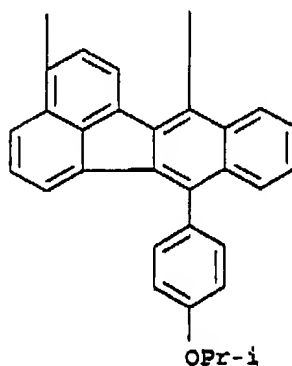
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PAGE 1-A



9)

PAGE 2-A



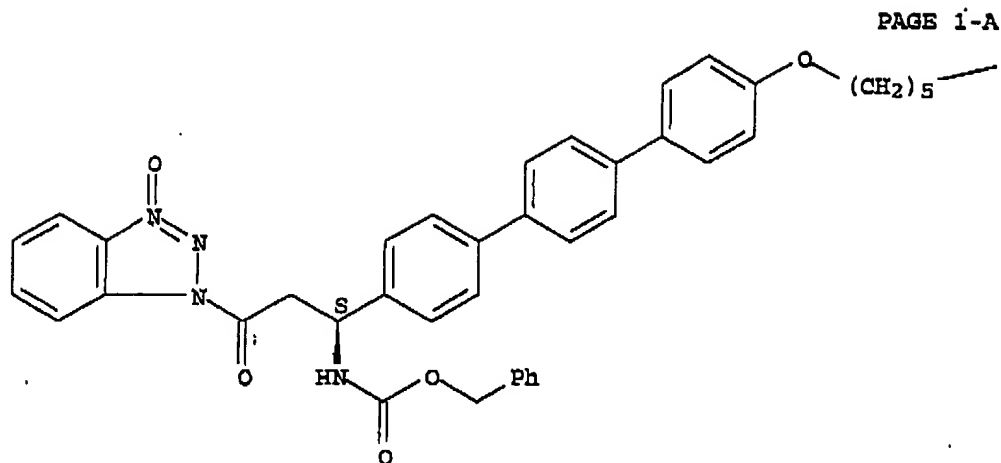
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Poly[oxy(dimethylsilylene) (3-oxo-1,3-propanediyl) imino(1,1':4',1''-
 terphenyl)-4,4''-diylimino(1-oxo-1,3-propanediyl) (dimethylsilylene)]
 (9CI)
 MF (C28 H34 N2 O3 Si2)n
 CI PMS

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MF C41 H40 N4 O6

Absolute stereochemistry.



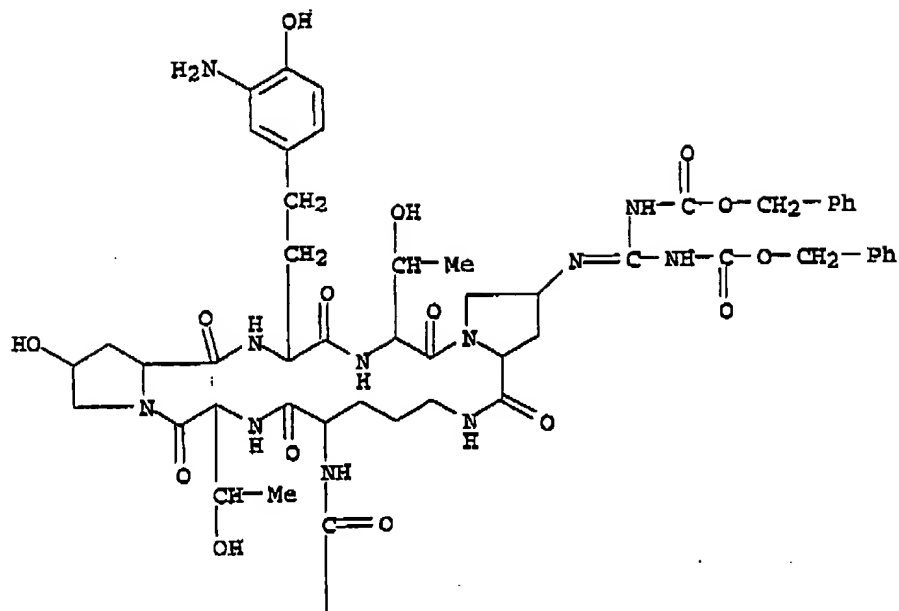
PAGE 1-B

—OMe

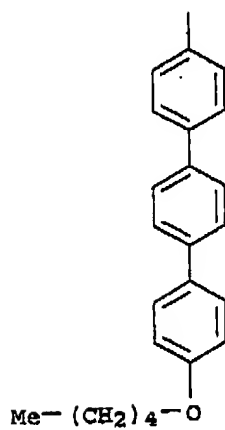
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C86 H68 O4

V. Balasubramanian

PAGE 1-A



PAGE 2-A

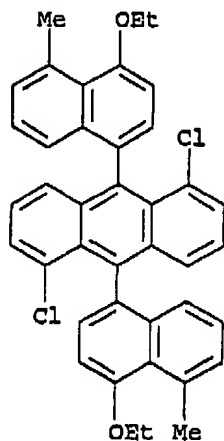


3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Carbamic acid,
 [(1S)-1-[4'-[(5-methoxypentyl)oxy] [1,1':4',1''-terphenyl]-
 4-yl]-3-(3-oxido-1H-benzotriazol-1-yl)-3-oxopropyl]-, phenylmethyl ester
 (9CI)

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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN Echinocandin D, 1-[N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[(.alpha.S)-.alpha.,3-diamino-4-hydroxybenzenebutanoic

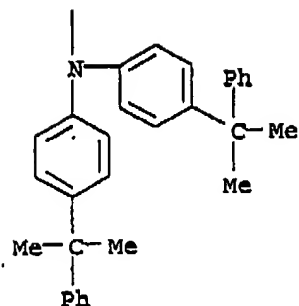
acid]-6-[(4S)-4-[[bis[[[(phenylmethoxy)carbonyl]amino]methylene]amino]-L-proline]- (9CI)

SQL 6

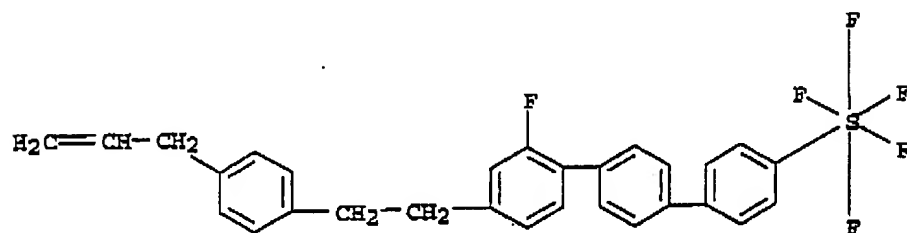
MF C74 H87 N11 O16

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PAGE 2-A



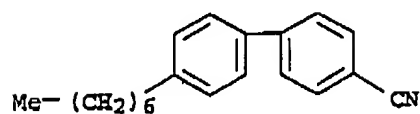
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Sulfur,
 pentafluoro[2''-fluoro-4''-[2-[4-(2-propenyl)phenyl]ethyl][1,1':4',
 1''-terphenyl]-4-yl]-, (OC-6-21) - (9CI)
 MF C29 H24 F6 S



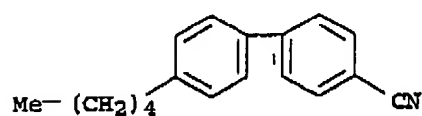
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Anthracene, 1,5-dichloro-9,10-bis(4-ethoxy-5-methyl-1-naphthalenyl) -
 (9CI)
 MF C40 H32 Cl2 O2

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CM 4

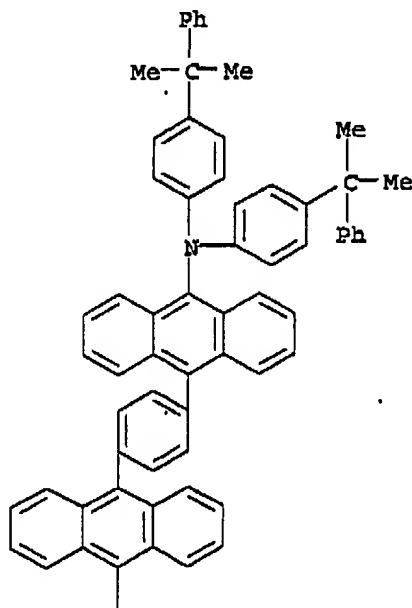


CM 5



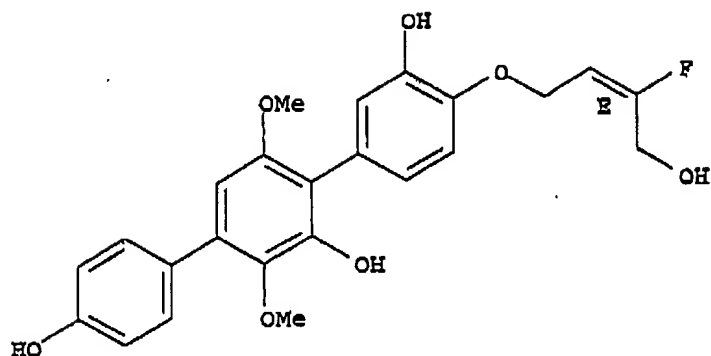
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 9-Anthracenamine, 10,10'-(1,4-phenylene)bis[N,N-bis(4-(1-methyl-1-phenylethyl)phenyl)- (9CI)
 MF C94 H80 N2

PAGE 1-A



9)

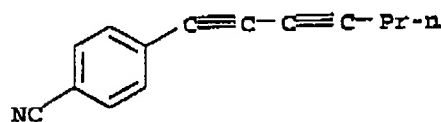
V. Balasubramanian



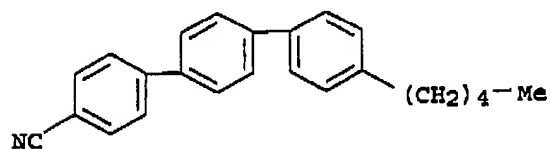
See Appendix 4

L3 50 ANSWERS : REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-pentyl-, mixt. with
 4-(1,3-heptadiynyl)benzonitrile, 4'-heptyl[1,1'-biphenyl]-4-carbonitrile,
 4'-(octyloxy)[1,1'-biphenyl]-4-carbonitrile and
 4'-pentyl[1,1'-biphenyl]-4-carbonitrile (9CI)
 MF C24 H23 N . C21 H25 N O . C20 H23 N . C18 H19 N . C14 H11 N
 CI MKS

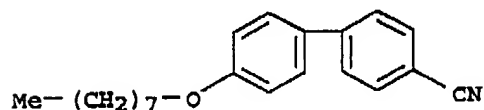
CM 1



CM 2

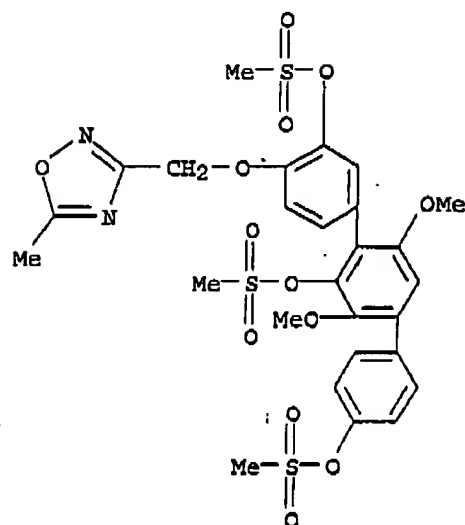


CM 3



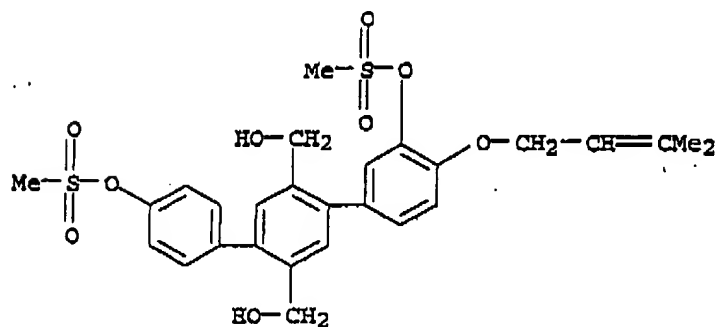
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☆ See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',5'-dimethanol, 4-[(3-methyl-2-butenyl)oxy]-
 3,4''-bis[(methylsulfonyl)oxy]- (9CI)
 MF C27 H30 O9 S2

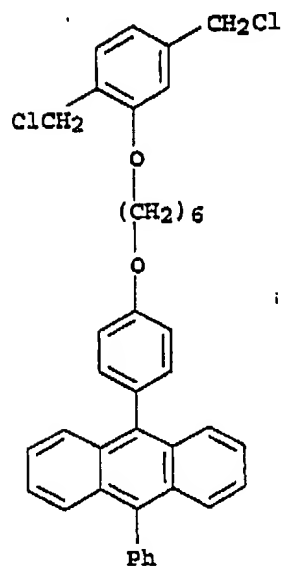
☆
See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-[(3-fluoro-4-hydroxy-2-
 butenyl)oxy]-3',6'-dimethoxy-, (E)- (9CI)
 MF C24 H23 F O7

Double bond geometry as shown.

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phenyl- (9CI)
MF C40 H36 Cl2 O2



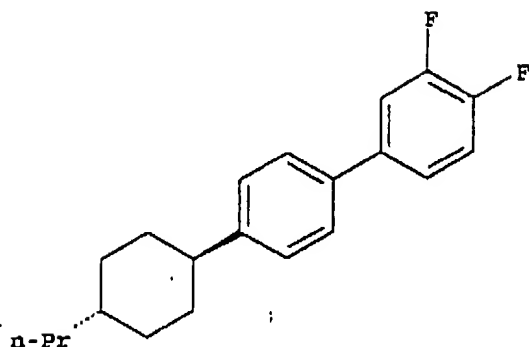
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4'''-triol,
3',6'-dimethoxy-4-[(5-methyl-1,2,4-
oxadiazol-3-yl)methoxy]-, trimethanesulfonate (ester) (9CI)
MF C27 H28 N2 O13 S3

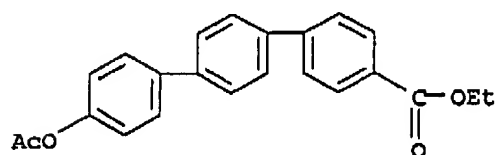
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CM 8

Relative stereochemistry.

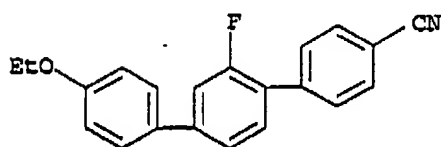


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carboxylic acid, 4''-(acetyloxy)-, ethyl ester (9CI)
 MF C23 H20 O4



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carbonitrile, 4''-ethoxy-2'-fluoro- (9CI)
 MF C21 H16 F N O
 CI COM

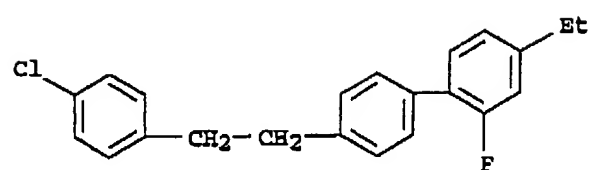


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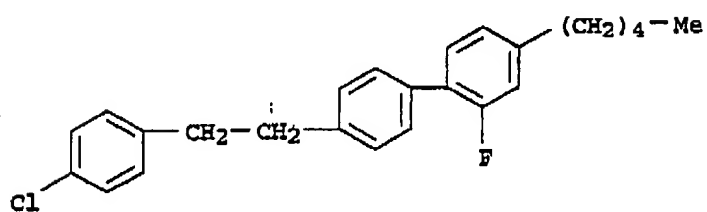
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Anthracene, 9-[4-[[6-[2,5-bis(chloromethyl)phenoxy]hexyl]oxy]phenyl]-10-

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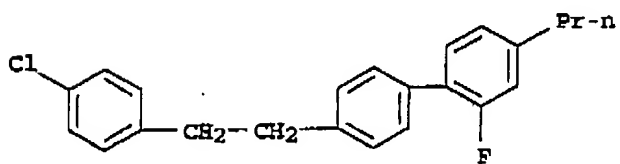
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CM 5

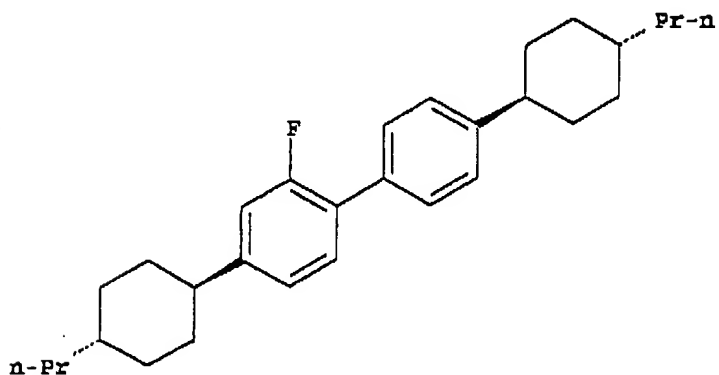


CM 6



CM 7

Relative stereochemistry.

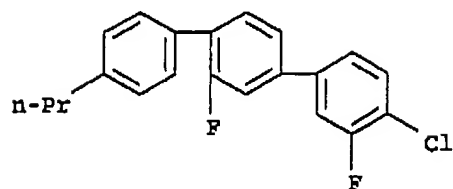


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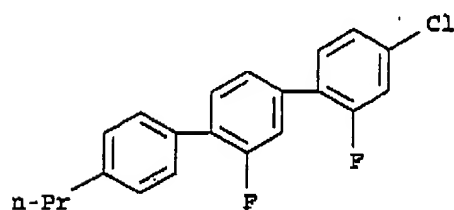
H24 F2 . C21 H17 Cl F2 . C21 H17 Cl F2
CI MXS

CM 1



1)

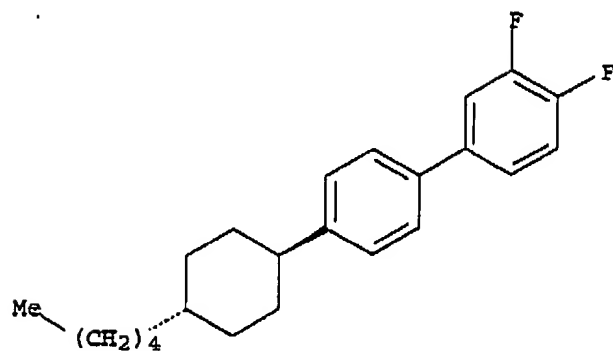
CM 2



1)

CM 3

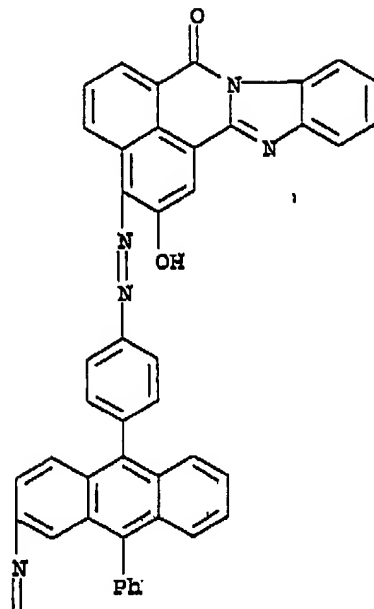
Relative stereochemistry.



CM 4

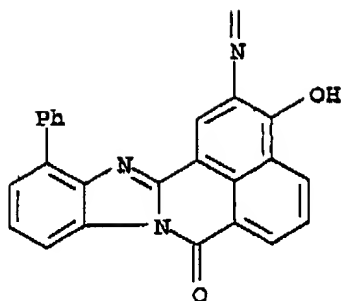
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a)

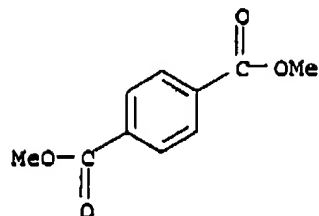
PAGE 2-A



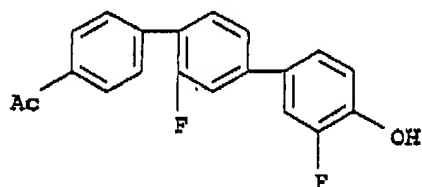
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 4''-chloro-2',2''-difluoro-4-propyl-, mixt. with
 4''-chloro-2',3''-difluoro-4-propyl-1,1':4',1''-terphenyl,
 4'-[2-(4-chlorophenyl)ethyl]-4-ethyl-2-fluoro-1,1'-biphenyl,
 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-pentyl-1,1'-biphenyl,
 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-propyl-1,1'-biphenyl,
 trans-3,4-difluoro-4'-(4-pentylcyclohexyl)-1,1'-biphenyl,
 trans-3,4-difluoro-4'-(4-propylcyclohexyl)-1,1'-biphenyl and
 [trans(trans)]-2-fluoro-4,4'-bis(4-propylcyclohexyl)-1,1'-biphenyl (9CI)
 MF C30 H41 F . C25 H26 Cl F . C23 H28 F2 . C23 H22 Cl F . C22 H20 Cl F . C21

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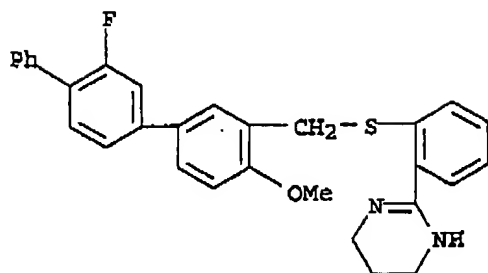
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Ethanone, 1-(2',3''-difluoro-4''-hydroxy[1,1':4',1''-terphenyl]-4-yl)-
 (9CI)
 MF C20 H14 F2 O2



1)

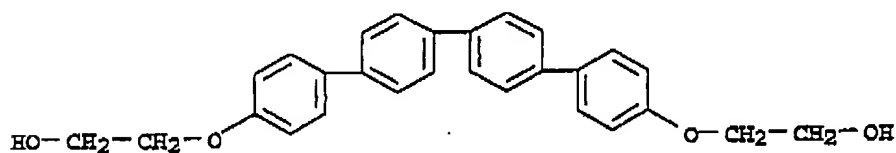
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 7H-Benzimidazo[2,1-a]benz[de]isoquinolin-7-one, 3-hydroxy-2-[[10-[4-[(2-hydroxy-7-oxo-7H-benzimidazo[2,1-a]benz[de]isoquinolin-3-yl)azo]phenyl]-9-phenyl-2-anthracenyl]azo]-12-phenyl- (9CI)
 MF C68 H38 N8 O4

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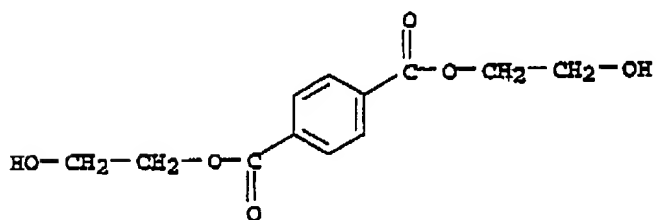


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,4-Benzenedicarboxylic acid, bis(2-hydroxyethyl) ester, polymer with
 dimethyl 1,4-benzenedicarboxylate and 2,2'-[[1,1':4',1'':4'',1'''-
 quaterphenyl]-4,4'''-diylbis(oxy)]bis[ethanol] (9CI)
 MF (C28 H26 O4 . C12 H14 O6 . C10 H10 O4)x
 CI PMS

CM 1

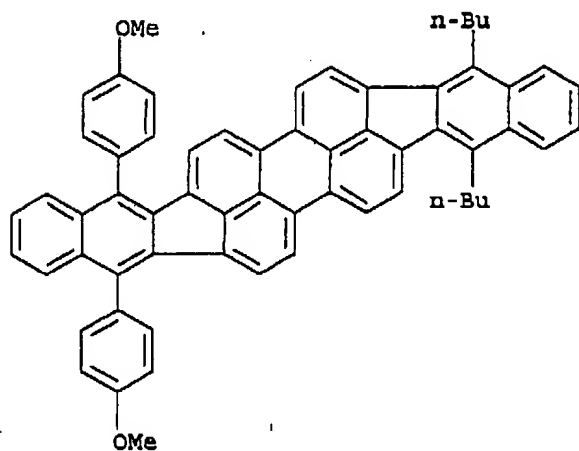


CM 2



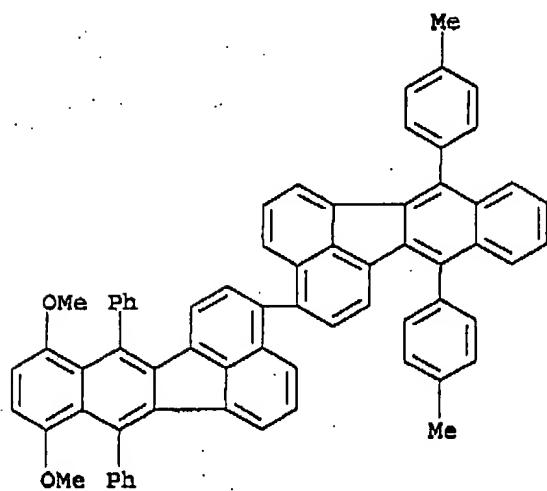
CM 3

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9)

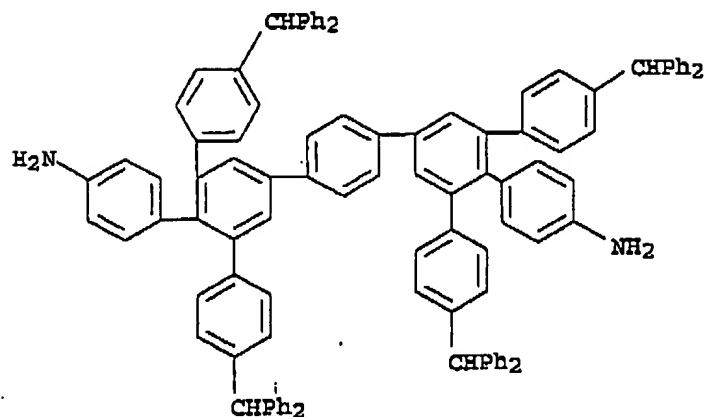
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 3,3'-Bibenzo[k]fluoranthene, 8,11-dimethoxy-7',12'-bis(4-methylphenyl)-
 7,12-diphenyl- (9CI)
 MF C68 H46 O2



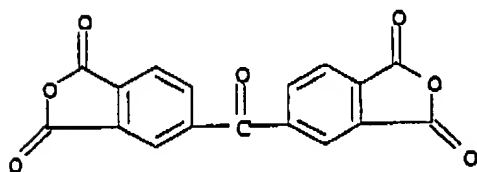
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Pyrimidine, 2-[2-[[[(3'-fluoro-4-methoxy[1,1':4',1''-terphenyl]-3-yl)methyl]thio]phenyl]-1,4,5,6-tetrahydro- (9CI)
 MF C30 H27 F N2 O S
 CI COM

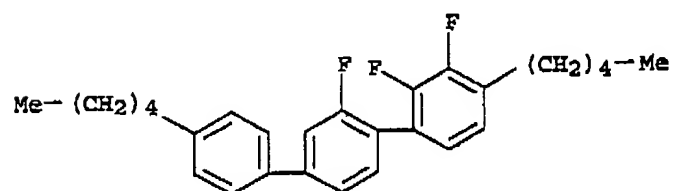
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5)
R¹³ = H

CM 2



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 2,2',3-trifluoro-4,4''-dipentyl- (9CI)
 MF C28 H31 F3



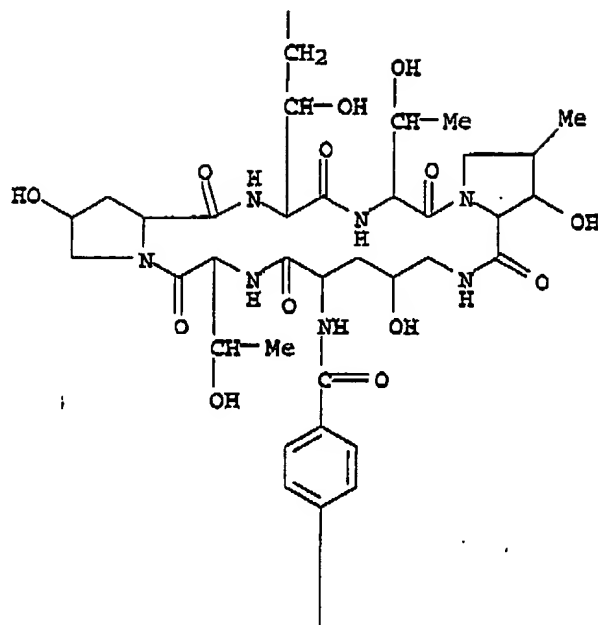
17

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Bisbenz[5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene,
 5,20-dibutyl-10,15-bis(4-methoxyphenyl)- (9CI)
 MF C62 H48 O2

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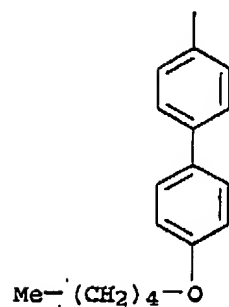
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PAGE 2-A



3)

PAGE 3-A



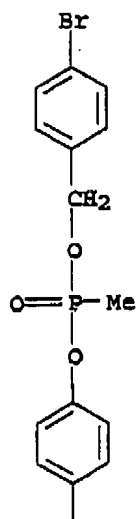
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,3-Isobenzofurandione, 5,5'-carbonylbis-, polymer with
 2',3'',5'',6'-tetrakis[4-(diphenylmethyl)phenyl][1,1':4',1'',4'',1''':4''',
 1''''-quinquephenyl]-4,4''''-diamine (9CI)
 MF (C106 H80 N2 . C17 H6 O7)x
 CI PMS

CM 1

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PAGE 1-A

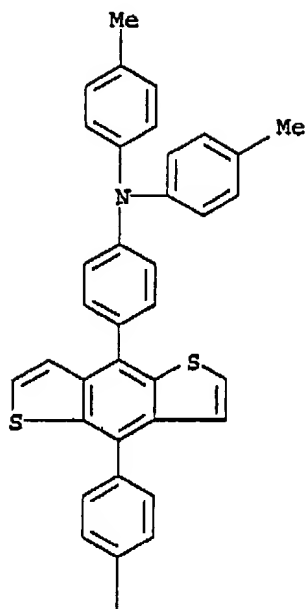


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methylphenyl) - (9CI)

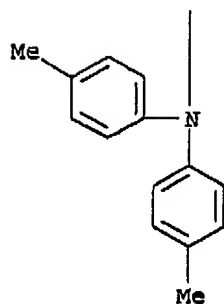
MF C50 H40 N2 S2

PAGE 1-A



5)

PAGE 2-A



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN Echinocandin C, 1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy)(1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-, 44-[(4-bromophenyl)methyl methylphosphonate] (9CI)

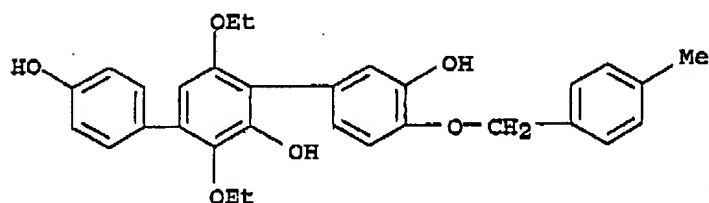
SQL 6

MF C66 H81 Br N7 O17 P

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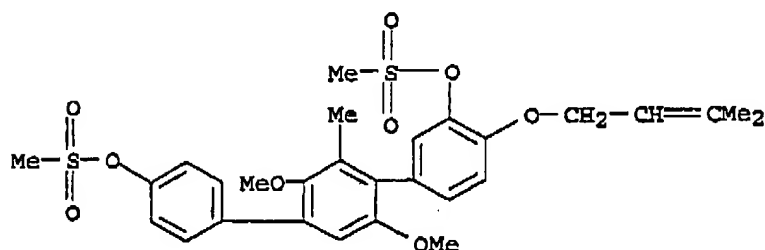
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IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',6'-diethoxy-4-[(4-methylphenyl)methoxy]- (9CI)
 MF C30 H30 O6



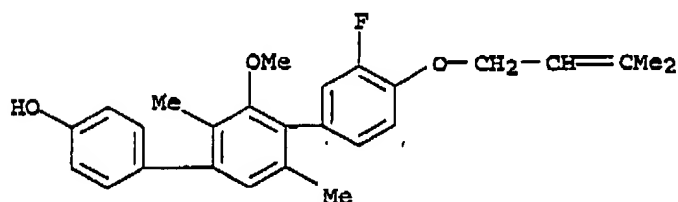
* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-3,4''-diol,
 3',6'-dimethoxy-2'-methyl-4-[(3-methyl-2-butenyl)oxy]-, dimethanesulfonate (9CI)
 MF C28 H32 O9 S2



* See Appendix 4

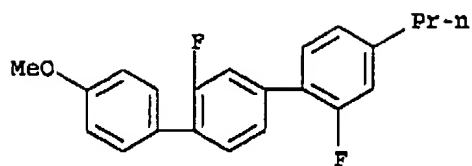
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-ol,
 3''-fluoro-3'-methoxy-2',5'-dimethyl-4''-[(3-methyl-2-butenyl)oxy]- (9CI)
 MF C26 H27 F O3



* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Benzenamine, 4,4'-benzo[1,2-b:4,5-b']dithiophene-4,8-diylbis[N,N-bis(4-

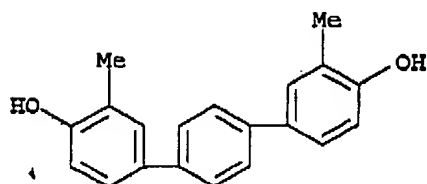
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1)

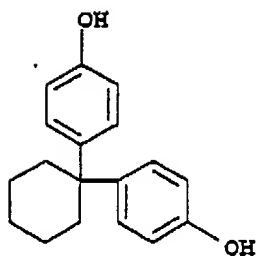
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Carbonic acid, polymer with 4,4'-cyclohexylidenebis[phenol] and
 3,3'-dimethyl[1,1':4',1''-terphenyl]-4,4''-diol (9CI)
 MF (C20 H18 O2 . C18 H20 O2 . C H2 O3)x
 CI PMS

CM 1

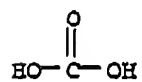


2)

CM 2



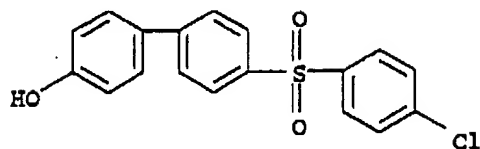
CM 3



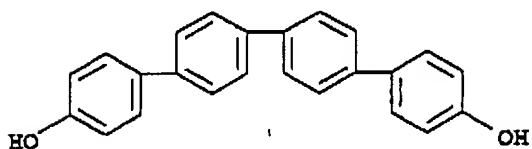
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

09/214,277

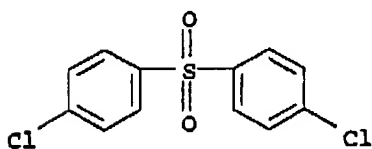
V. Balasubramanian



CM 3

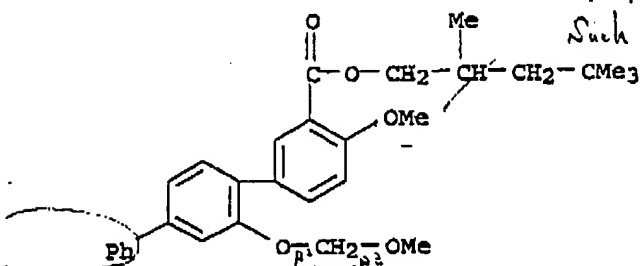


CM 4



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-3-carboxylic acid,
 4-methoxy-2'-(methoxymethoxy)-,
 2,4,4-trimethylpentyl ester (9CI)
 MF C30 H36 O5

If this is regarded as R^1 , $R^{1,2} = H$
 Such compounds are not included in claims because of 5).

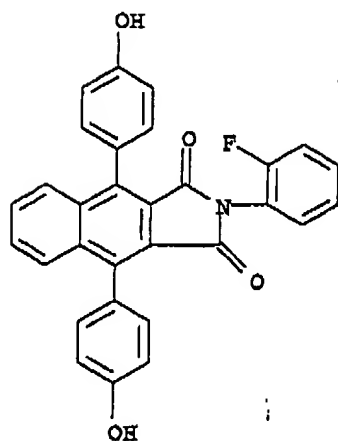


If this is regarded as R^1 , $R^{1,2}$ is COOR. Such compounds are not included in claims because of 5-2.

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 2,3'-difluoro-4''-methoxy-4-propyl- (9CI)
 MF C22 H20 F2 O

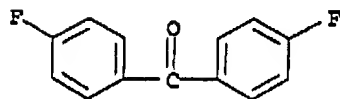
09/214,277

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9)

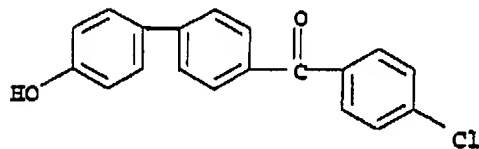
CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):49

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Methanone, (4-chlorophenyl) (4'-hydroxy[1,1'-biphenyl]-4-yl)-, polymer
 with 4'-[(4-chlorophenyl)sulfonyl][1,1'-biphenyl]-4-ol, [1,1':4',1'':4'',1''':4''',1''''-quaterphenyl]-4,4'''-diol and 1,1'-sulfonylbis[4-chlorobenzene] (9CI)
 MF (C24 H18 O2 . C19 H13 Cl O2 . C18 H13 Cl O3 S . C12 H8 Cl2 O2 9)x
 CI PMS

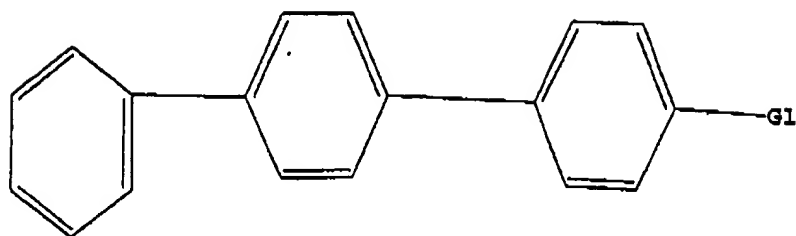
CM 1



CM 2

09/214,277

V. Balasubramanian



G1 O,N,CH2,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 09:53:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6048 TO ITERATE

16.5% PROCESSED 1000 ITERATIONS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED ITERATIONS: 116303 TO 125617
 PROJECTED ANSWERS: 6561 TO 8921

L3 50 SEA SSS SAM L1

=> d scan

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 1H-Benz[f]isoindole-1,3(2H)-dione, 2-(2-fluorophenyl)-4,9-bis(4-hydroxyphenyl)-, polymer with bis(4-fluorophenyl)methanone (9CI)

MF (C30 H18 F N O4 . C13 H8 F2 O)x

CI PMS

CM 1

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FILE 'HOME' ENTERED AT 09:52:22 ON 18 SEP 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 09:52:29 ON 18 SEP 2001

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STRUCTURE FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5

DICTIONARY FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09214277.str

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR

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FULL ESTIMATED COST

0.93

1.08

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Trying 3106016892...Open

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LOGINID:ssspta1611bxv

PASSWORD:

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NEWS	2 Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3 Feb 06	Engineering Information Encompass files have new names
NEWS	4 Feb 16	TOXLINE no longer being updated
NEWS	5 Apr 23	Search Derwent WFINDEX by chemical structure
NEWS	6 Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS	7 May 07	DGENE Reload
NEWS	8 Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS	9 JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS	10 Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS	11 Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS	12 Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS	13 Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001

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NEWS INTER General Internet Information

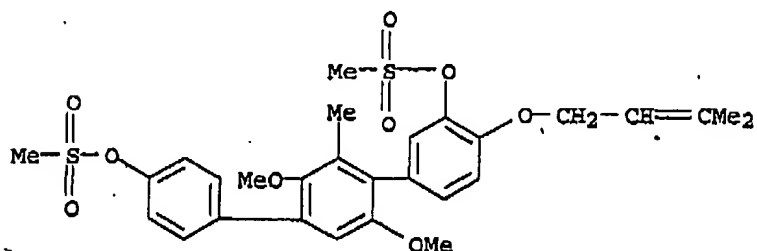
NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

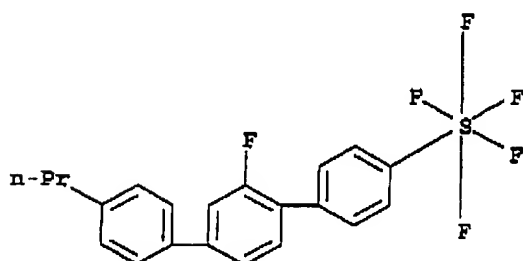
V. Balasubramanian

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-3,4''-diol,
 3',6'-dimethoxy-2'-methyl-4-[(3-methyl-
 2-butenyl)oxy]-, dimethanesulfonate (9CI)
 MF C28 H32 O9 S2



* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Sulfur, pentafluoro(2'-fluoro-4''-propyl[1,1':4',1''-terphenyl]-4-yl)-,
 (OC-6-21)- (9CI)
 MF C21 H18 F6 S



1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Palladium, bis[bis(2-methylbutyl)phenylphosphine]bromo[3''''-methyl-
 5,5',5'',5''',5''''',8,8',8'',8''',8'''''-decakis(4-
 methylphenyl)[2,2':3',2'':3'',2''':3''',2''''':3''''',2''''''-quinquequinoxalin]-3-yl]-,
 [SP-4-2-[S-(R*,R*)],[S-(R*,R*)]]- (9CI)
 MF C143 H137 Br N10 P2 Pd
 CI CCS, COM

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

ALL ANSWERS HAVE BEEN SCANNED

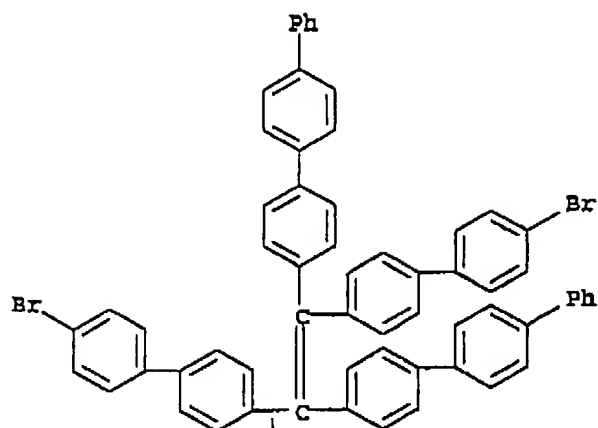
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COST IN U.S. DOLLARS

SINCE FILE
ENTRYTOTAL
SESSION

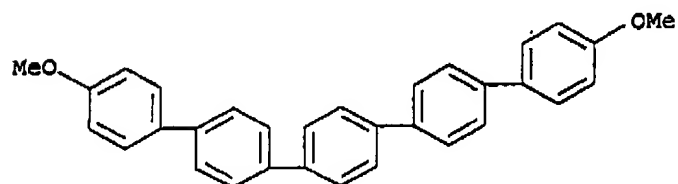
09/214,277

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3)

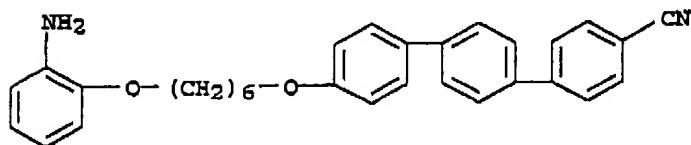
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1'':4'',1''':4''',1''':4''',1''':4'''-Quinquephenyl, 4,4''''-dimethoxy- (9CI)
 MF C32 H26 O2



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carbonitrile,
 4'''-[[6-(2-aminophenoxy)hexyl]oxy]-
 , homopolymer (9CI)
 MF (C31 H30 N2 O2)x
 CI PMS

CM 1

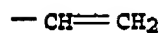


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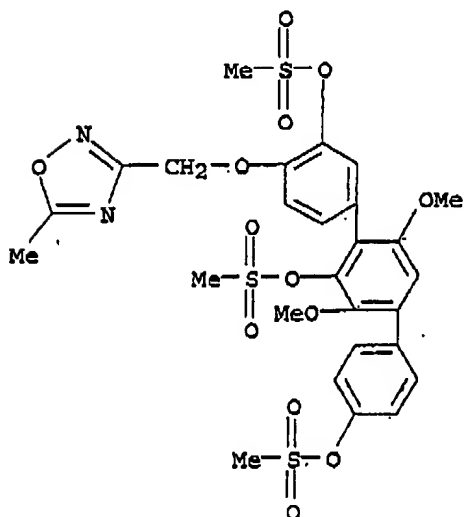
09/214,277

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PAGE 1-B



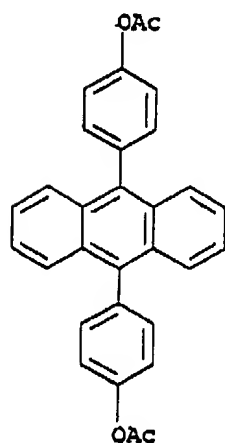
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3,4''-triol,
 3',6'-dimethoxy-4-[(5-methyl-1,2,4-
 oxadiazol-3-yl)methoxy]-, trimethanesulfonate (ester) (9CI)
 MF C27 H28 N2 O13 S3



See Appendix 4

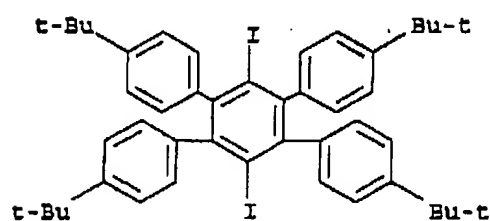
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 4,4'''-[1,2-bis(4'-bromo[1,1'-biphenyl]-4-yl)-1,2-
 ethenediyl]bis- (9CI)
 MF C62 H42 Br2

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a)

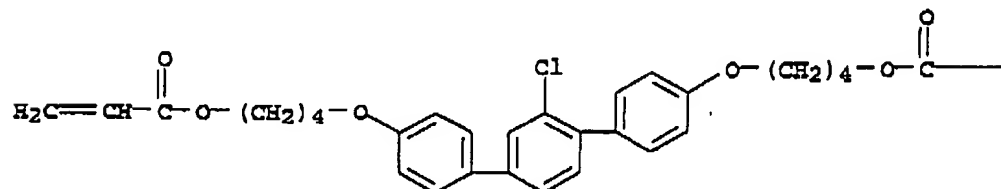
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':2',1''-Terphenyl, 4,4''-bis(1,1-dimethylethyl)-4',5'-bis[4-(1,1-dimethylethyl)phenyl]-3',6'-diiodo- (9CI)
 MF C46 H52 I2



5)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2-Propenoic acid,
 (2'-chloro[1,1':4',1''-terphenyl]-4,4''-diyl)bis(oxy-4,1-butanediyl) ester (9CI)
 MF C32 H33 Cl O6

PAGE 1-A



1)

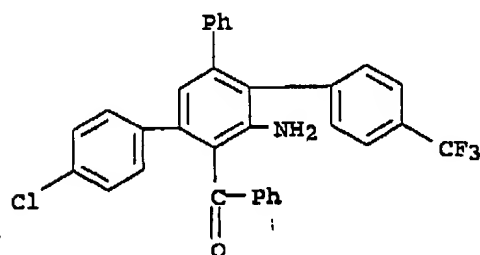
V. Balasubramanian

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN Methanone,

[3'-amino-5'-(4-chlorophenyl)-4'-(trifluoromethyl)(1,1':2',1''-terphenyl)-4'-yl]phenyl- (9CI)

MF C32 H21 Cl F3 N O

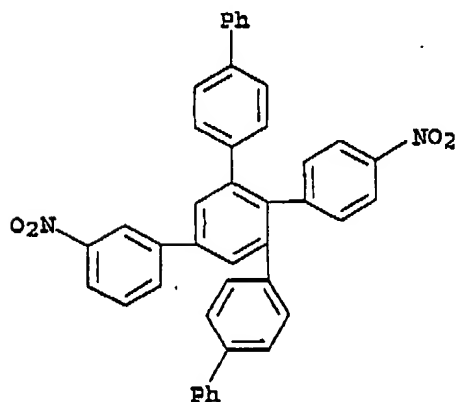
5)
 $R^{13} = H$

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 1,1':4',1''':3'',1''':4''',1''''-Quinquephenyl,

5''-(3-nitrophenyl)-2''-(4-nitrophenyl)- (9CI)

MF C42 H28 N2 O4

5)
 $R^{13} = H$

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN Phenol, 4,4'-(9,10-anthracenediyl)bis-, diacetate (9CI)

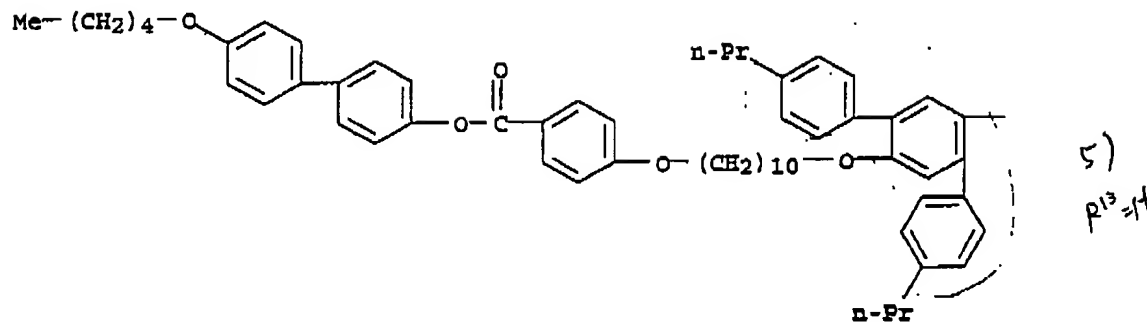
MF C30 H22 O4

CI COM

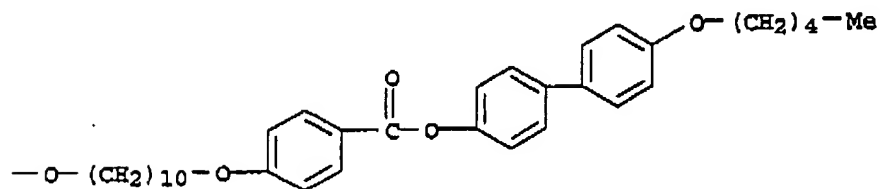
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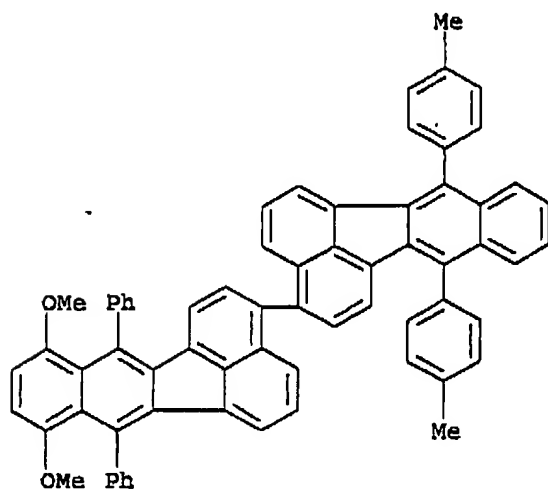
PAGE 1-A



PAGE 1-B

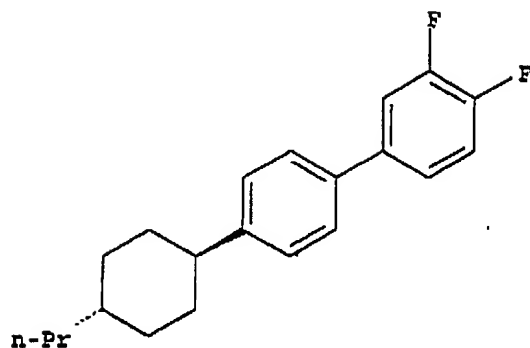


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 3,3'-Bibenzo[k]fluoranthene, 8,11-dimethoxy-7',12'-bis(4-methylphenyl)-
 7,12-diphenyl- (9CI)
 MF C68 H46 O2

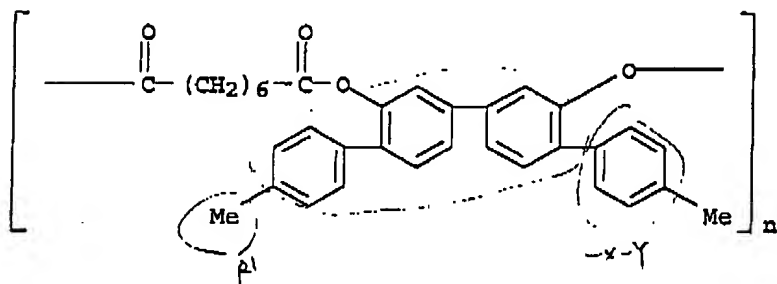


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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Poly[oxy(4,4'-dimethyl[1,1':4',1'':4'',1''':quaterphenyl]-2',3'-diyl)oxy(1,8-dioxo-1,8-octanediyl)] (9CI)
 MF (C34 H32 O4)_n
 CI PMS



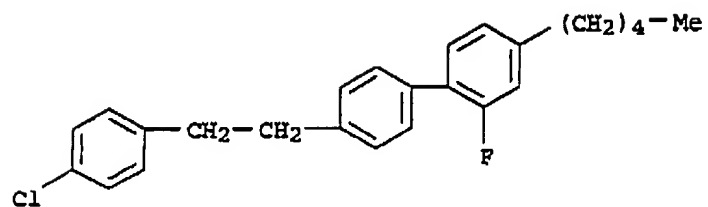
7)

-x-Y = aryl

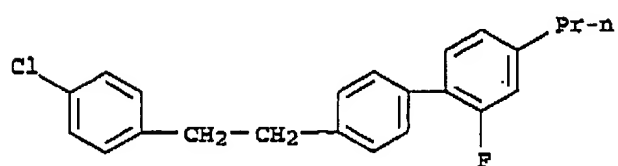
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Benzoic acid, 4,4'-[[(4,4'-dipropyl[1,1':4',1'':terphenyl]-2',5'-diyl)bis(oxy-10,1-decanediyl)oxy]bis-,
 bis[4'-(pentyloxy)[1,1'-biphenyl]-4-yl] ester (9CI)
 MF C92 H110 O10

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CM 5

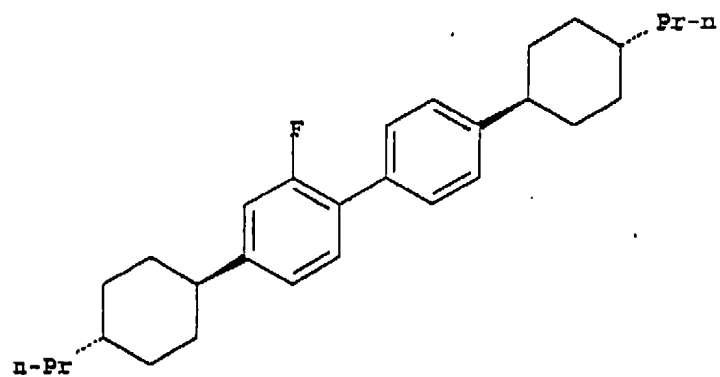


CM 6



CM 7

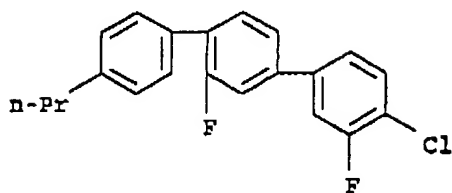
Relative stereochemistry.



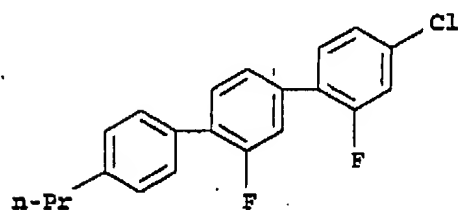
CM 8

Relative stereochemistry.

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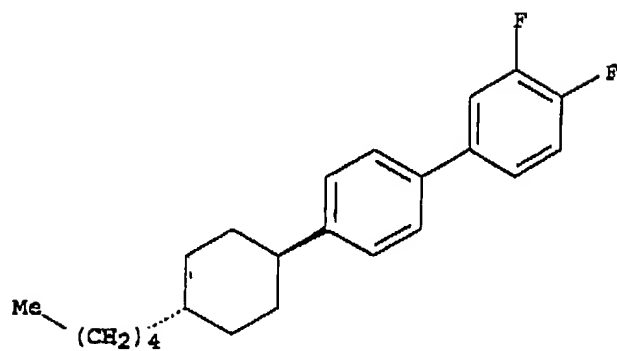


CM 2

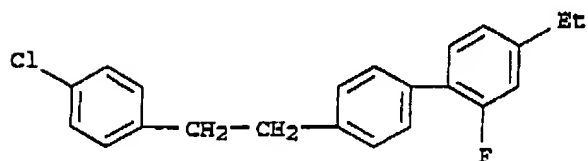


CM 3

Relative stereochemistry.

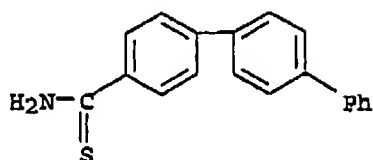


CM 4

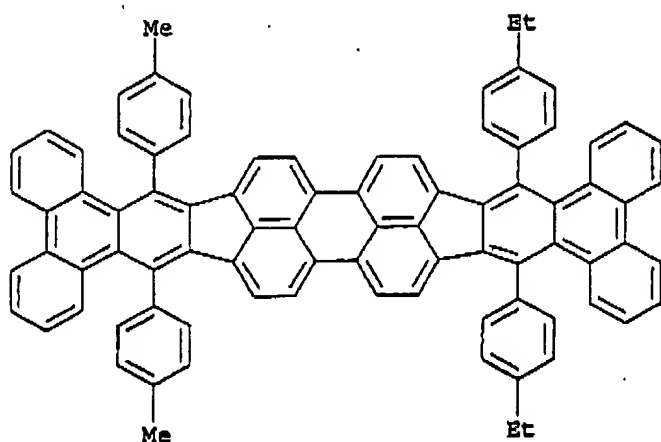


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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Bisphenanthro[9',10':5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene,
 9,28-bis(4-ethylphenyl)-14,23-bis(4-methylphenyl)- (9CI)
 MF C86 H56



a)

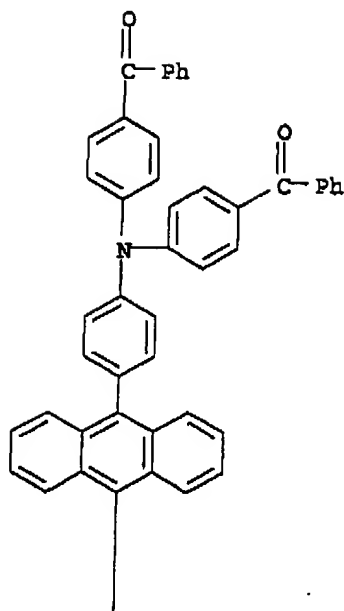
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 4''-chloro-2',2''-difluoro-4-propyl-, mixt. with
 4''-chloro-2',3''-difluoro-4-propyl-1,1':4',1''-terphenyl,
 4'-[2-(4-chlorophenyl)ethyl]-4-ethyl-2-fluoro-1,1'-biphenyl,
 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-pentyl-1,1'-biphenyl,
 4'-[2-(4-chlorophenyl)ethyl]-2-fluoro-4-propyl-1,1'-biphenyl,
 trans-3,4-difluoro-4'-(4-pentylcyclohexyl)-1,1'-biphenyl,
 trans-3,4-difluoro-4'-(4-propylcyclohexyl)-1,1'-biphenyl and
 [trans(trans)]-2-fluoro-4,4'-bis(4-propylcyclohexyl)-1,1'-biphenyl (9CI)
 MF C30 H41 F . C25 H26 Cl F . C23 H28 F2 . C23 H22 Cl F . C22 H20 Cl F . C21
 H24 F2 . C21 H17 Cl F2 . C21 H17 Cl F2
 CI MXS

CM 1

09/214,277

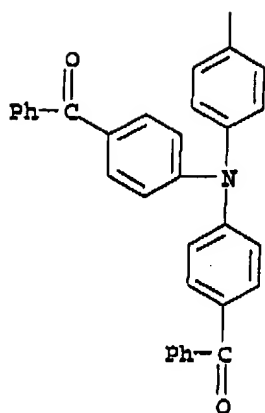
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PAGE 1-A



9)

PAGE 2-A



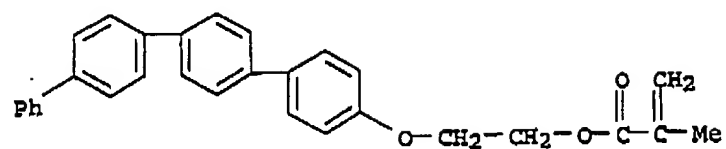
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-4-carbothioamide (9CI)
MF C19 H15 N S

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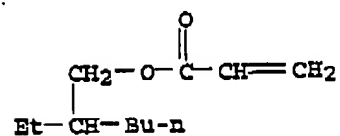
CI PMS

CM 1



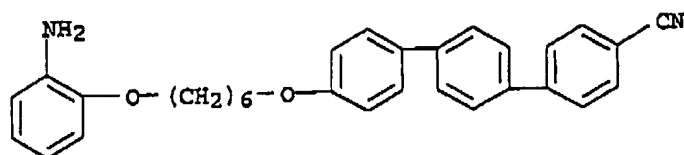
3)

CM 2



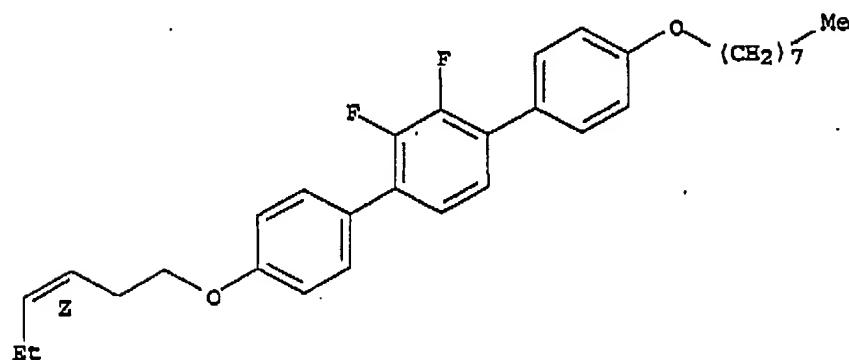
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Methanone, [9,10-anthracenediylbis(4,1-phenylenenitrilodi-4,1-phenylene)] tetrakis[phenyl- (9CI)
 MF C78 H52 N2 O4

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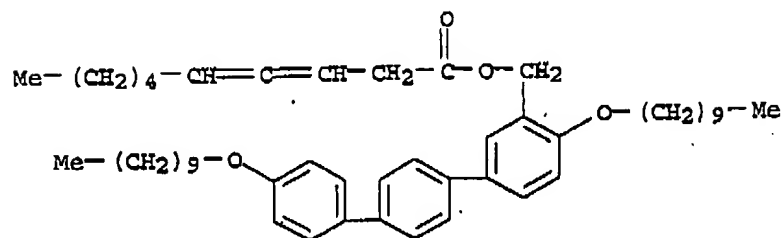


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 2',3'-difluoro-4-(3-hexenyloxy)-4''-(octyloxy)-, (Z) - (9CI)
 MF C32 H38 F2 O2

Double bond geometry as shown.



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 3,4-Decadienoic acid, [4,4''-bis(decyloxy) [1,1':4',1''-terphenyl]-3-yl]methyl ester (9CI)
 MF C49 H70 O4

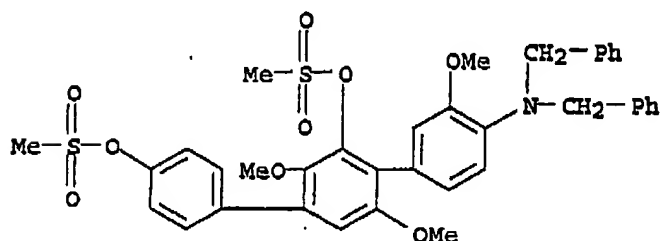


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

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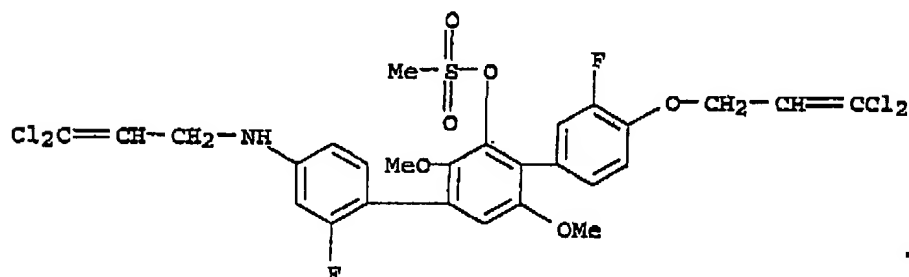
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IN [1,1':4',1''-Terphenyl]-2',4''-diol, 4-[bis(phenylmethyl)amino]-3,3',6'-trimethoxy-, dimethanesulfonate (ester) (9CI)
 MF C37 H37 N O9 S2



See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2'-ol, 4''-[(3,3-dichloro-2-propenyl)amino]-4-[(3,3-dichloro-2-propenyl)oxy]-2'',3-difluoro-3',6'-dimethoxy-, methanesulfonate (ester) (9CI)
 MF C27 H23 Cl4 F2 N O6 S

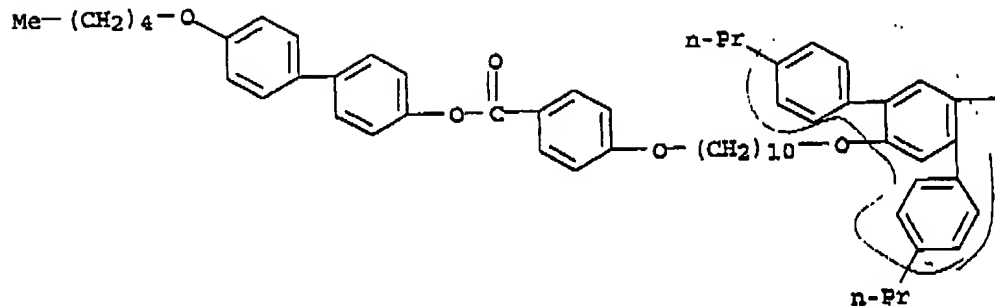


See Appendix 4

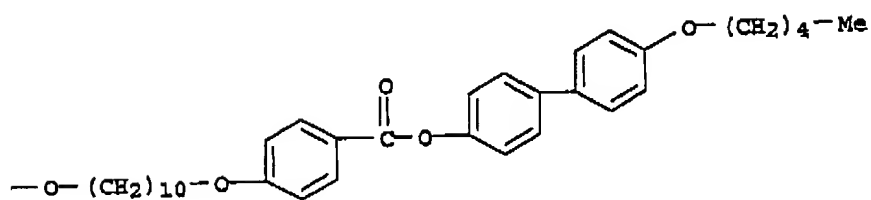
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Benzoic acid, 4,4'-[(4,4''-dipropyl[1,1':4',1''-terphenyl]-2',5'-diyl)bis(oxy-10,1-decanediyl)oxy]bis-, bis[4''-(pentyloxy)[1,1'-biphenyl]-4-yl] ester (9CI)
 MF C92 H110 O10

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PAGE 1-A

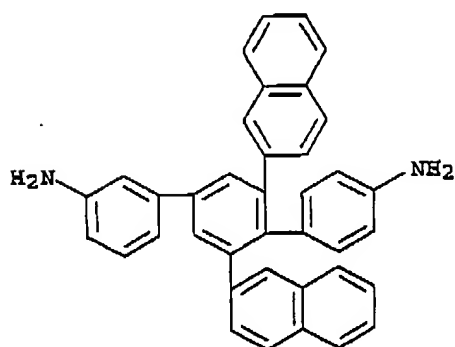


PAGE 1-B



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,3-Isobenzofurandione, 5,5'-carbonylbis-, polymer with
 3',5'-di-2-naphthalenyl[1,1':4',1''-terphenyl]-3,4''-diamine (9CI)
 MF (C38 H28 N2 . C17 H6 O7)x
 CI PMS

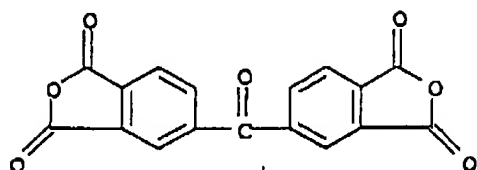
CM 1



CM 2

09/214,277

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L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN Cilofungin,

1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-

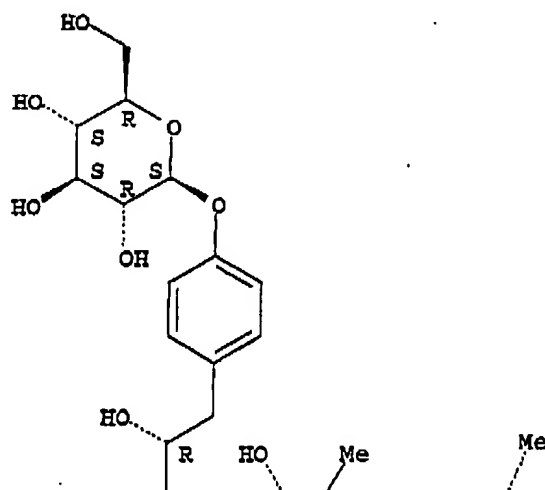
4-yl]carbonyl]-L-ornithine]-4-[4-[4-(.beta.-D-glucopyranosyloxy)phenyl]-L-threonine]- (9CI)

SQL 6

MF C64 H83 N7 O20

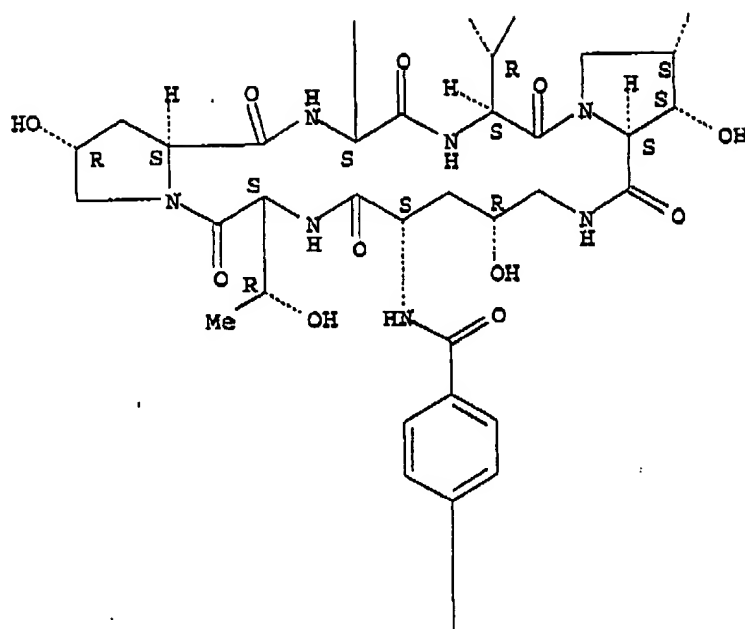
Absolute stereochemistry.

PAGE 1-A



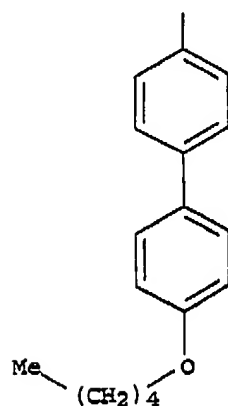
V. Balasubramanian

PAGE 2-A



3)

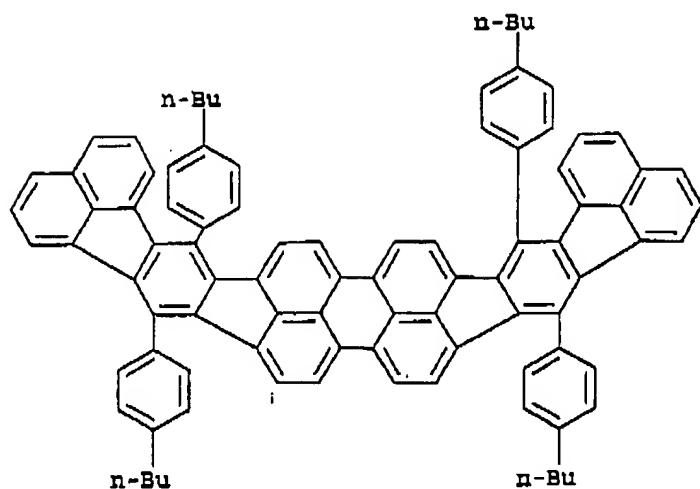
PAGE 3-A



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Bisnaphth[1',8':5,6,7]-s-indaceno[1,2,3-cd:1',2',3'-lm]perylene,
 4,9,16,21-tetrakis(4-butylphenyl)- (9CI)
 MF C92 H72

09/214,277

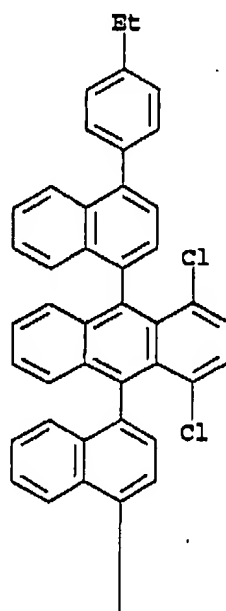
V. Balasubramanian



9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Anthracene, 1,4-dichloro-9,10-bis[4-(4-ethylphenyl)-1-naphthalenyl]-
(9CI)
MF C50 H36 Cl2

PAGE 1-A

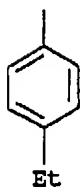


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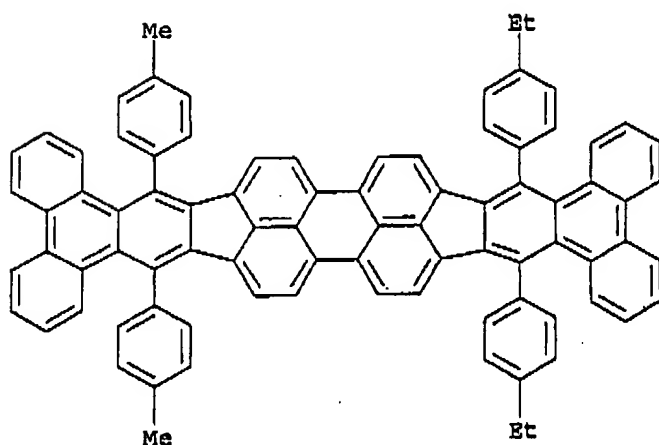
09/214,277

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PAGE 2-A



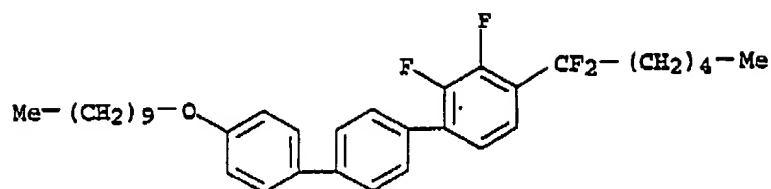
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Bisphenanthro[9',10':5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene,
9,28-bis(4-ethylphenyl)-14,23-bis(4-methylphenyl)- (9CI)
MF C86 H56



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 4''-(decyloxy)-4-(1,1-difluorohexyl)-2,3-difluoro-
(9CI)
MF C34 H42 F4 O

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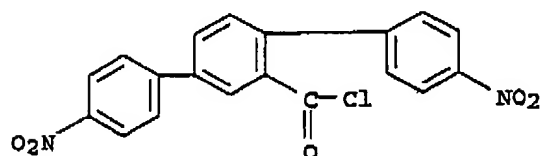
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-carbonyl chloride, 4,4''-dinitro-, polymer
with

with 1H,3H-benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone and hexahydro-2H-azepin-2-one, block (9CI)

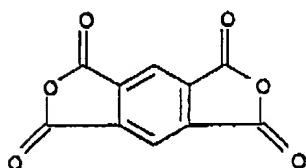
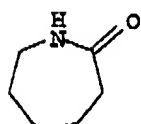
MF (C19 H11 C1 N2 O5 . C10 H2 O6 . C6 H11 N O)x

CI PMS

CM 1.



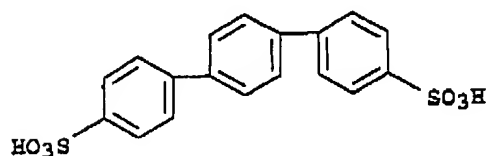
CM 2



09/214,277

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IN [1,1':4',1''-Terphenyl]-4,4''-disulfonic acid (9CI)
 MF C18 H14 O6 S2
 CI COM



3)

ALL ANSWERS HAVE BEEN SCANNED

=> log y
 COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.93	1.08

FULL ESTIMATED COST

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Trying 3106016892...Open

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LOGINID:sssptal611bxv

PASSWORD:

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NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17 The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06 Engineering Information Encompass files have new names
NEWS	4	Feb 16 TOXLINE no longer being updated
NEWS	5	Apr 23 Search Derwent WPINDEX by chemical structure
NEWS	6	Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA

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NEWS 7 May 07 DGENE Reload
 NEWS 8 Jun 20 Published patent applications (A1) are now in USPTAFULL
 NEWS 9 JUL 13 New SDI alert frequency n w available in Derwent's
 DWPI and DPCI
 NEWS 10 Aug 23 In-process records and more frequent updates now in
 MEDLINE
 NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
 NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN
 NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change
 to PHARMASEARCH

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 CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
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FILE 'HOME' ENTERED AT 10:02:33 ON 18 SEP 2001

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 10:02:42 ON 18 SEP 2001
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STRUCTURE FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5
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Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
 for details.

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=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\STNEXP4\QUERIES\19214277.str

L1 STRUCTURE UPLOADED

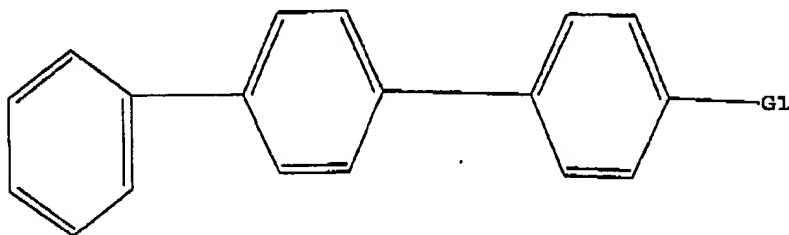
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 10:03:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3524 TO ITERATE

28.4% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 66922 TO 74038
PROJECTED ANSWERS: 3483 TO 5255

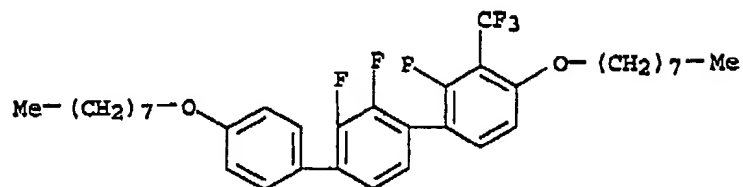
L3 50 SEA SSS SAM L1

=> d scan

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,1':4',1''-Terphenyl, 2,2',3'-trifluoro-4,4''-bis(octyloxy)-3-
(trifluoromethyl)- (9CI)
MF C35 H42 F6 O2

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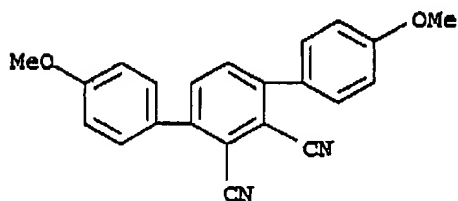
V. Balasubramanian



1)

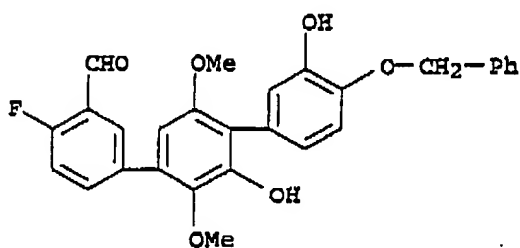
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):49

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3'-dicarbonitrile, 4,4''-dimethoxy- (9CI)
 MF C22 H16 N2 O2



3)

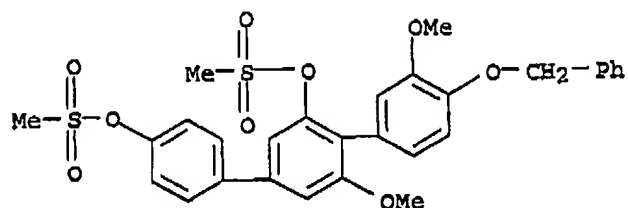
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-3-carboxaldehyde,
 4-fluoro-3',3''-dihydroxy-2',5'-
 dimethoxy-4''-(phenylmethoxy)- (9CI)
 MF C28 H23 F O6



* See Appendix 4

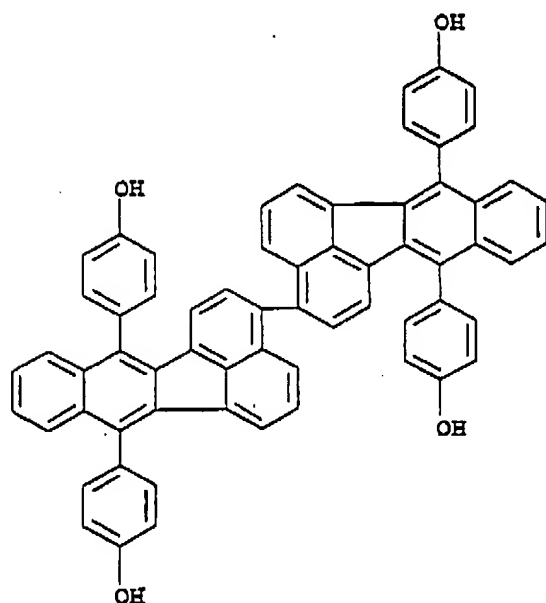
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',4''-diol, 3,6'-dimethoxy-4-(phenylmethoxy)-,
 dimethanesulfonate (9CI)
 MF C29 H28 O9 S2

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* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Phenol, 4,4',4'',4'''-[3,3'-bibenzo[k]fluoranthene]-7,7',12,12'-
 tetrayltetrakis- (9CI)
 MF C64 H38 O4



9)

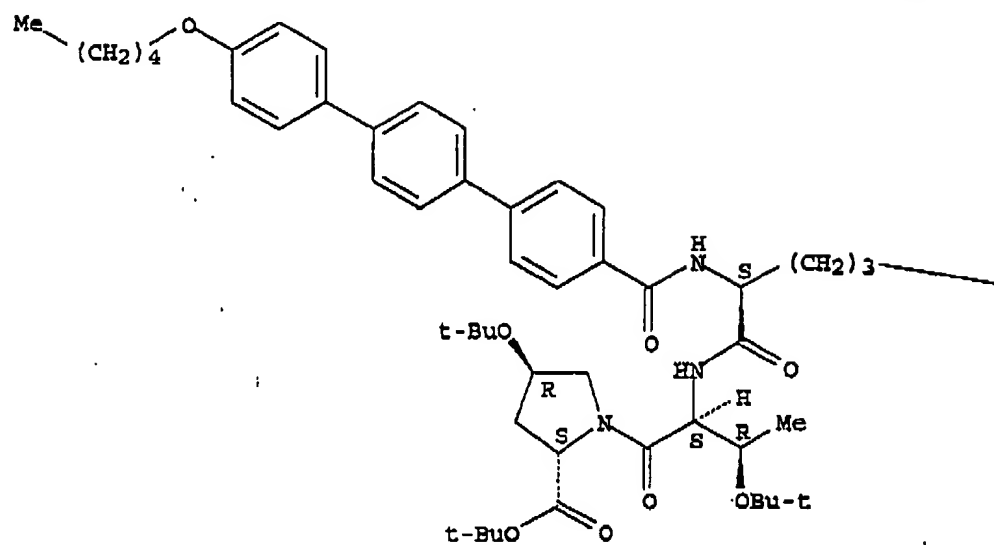
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN L-Proline,
 N5-[(4S)-4-azido-1-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-prolyl]-
 N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithyl-O-
 (1,1-dimethylethyl)-L-threonyl-4-(1,1-dimethylethoxy)-, 1,1-dimethylethyl
 ester, (4R)- (9CI)
 MF C70 H88 N8 O11

Absolute stereochemistry.

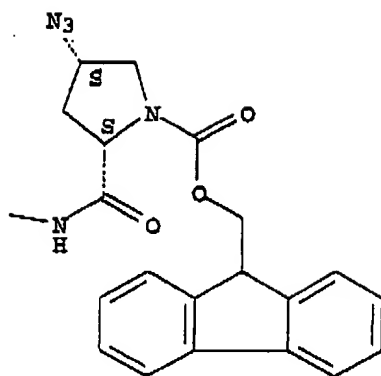
09/214,277

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PAGE 1-A



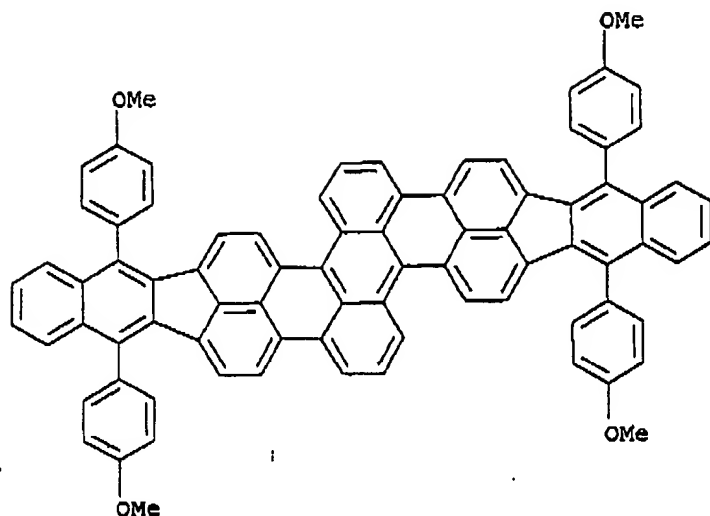
PAGE 1-B



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C82 H50 O4

09/214,277

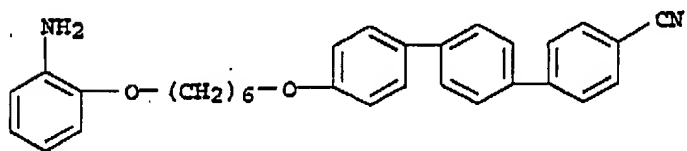
V. Balasubramanian



a)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-carbonitrile,
 4''-[[6-(2-aminophenoxy)hexyl]oxy]-
 , homopolymer (9CI)
 MF (C31 H30 N2 O2)x
 CI PMS

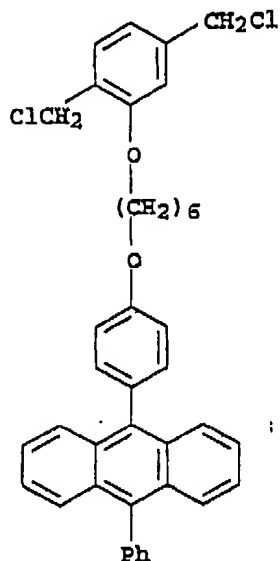
CM 1



3)

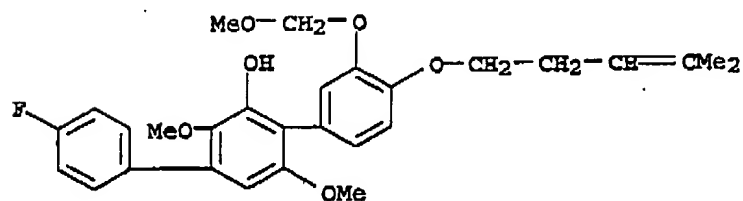
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Anthracene, 9-[4-[[6-[2,5-bis(chloromethyl)phenoxy]hexyl]oxy]phenyl]-10-
 phenyl- (9CI)
 MF C40 H36 Cl2 O2

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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2'-ol, 4''-fluoro-3',6'-dimethoxy-3-(methoxymethoxy)-4-[(4-methyl-3-pentenyl)oxy] - (9CI)
 MF C28 H31 F O6

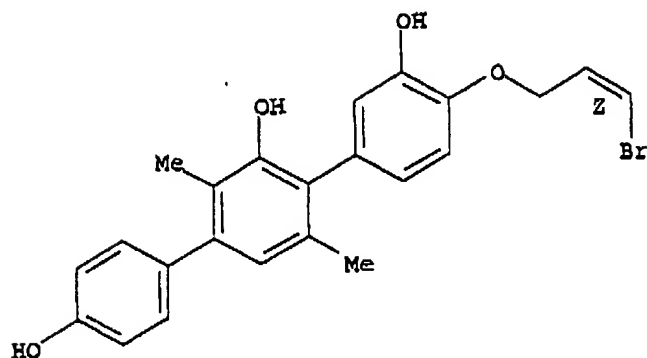


See Appendix 1

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-[(3-bromo-2-propenyl)oxy]-3',6'-dimethyl-, (Z) - (9CI)
 MF C23 H21 Br O4

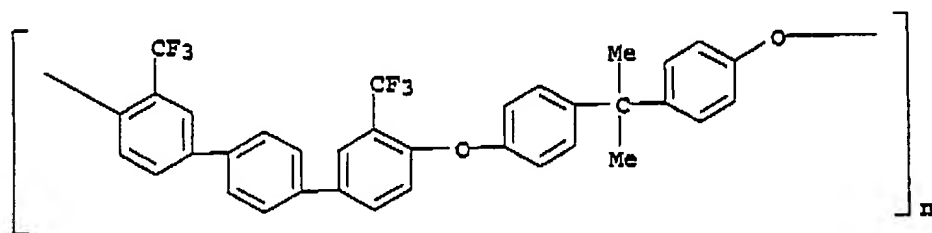
Double bond geometry as shown.

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* See Appendix 4

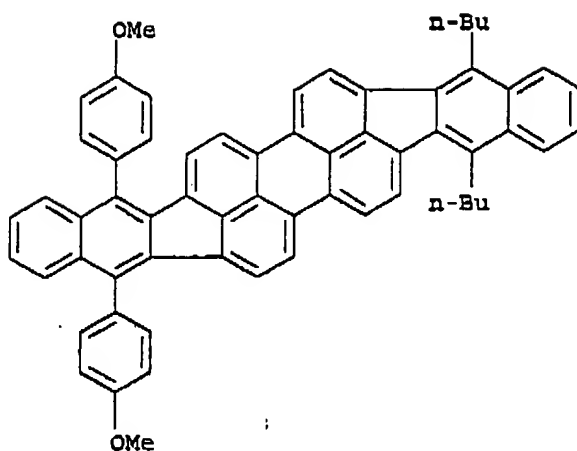
L3 50 ANSWERS 'REGISTRY COPYRIGHT 2001 ACS
 IN Poly[oxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxy[3,3'-bis(trifluoromethyl)-1,1':4',1''-terphenyl-4,4''-diyl]] (9CI)
 MF (C35 H24 F6 O2)n
 CI PMS



* See Appendix 4-2

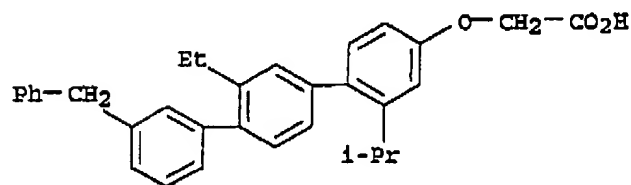
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Bisbenz[5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene,
 5,20-dibutyl-10,15-bis(4-methoxyphenyl)- (9CI)
 MF C62 H48 O2

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9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Acetic acid, [[3'-ethyl-2-(1-methylethyl)-3''-(phenylmethyl)[1,1':4',1''-terphenyl]-4-yl]oxy]- (9CI)
 MF C32 H32 O3
 CI COM

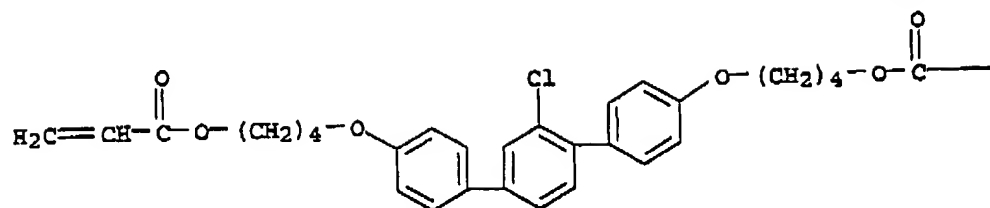


5)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 2-Propenoic acid,
 (2'-chloro[1,1':4',1''-terphenyl]-4,4''-diyl)bis(oxy-4,1-butanediyl) ester (9CI)
 MF C32 H33 Cl O5

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PAGE 1-A

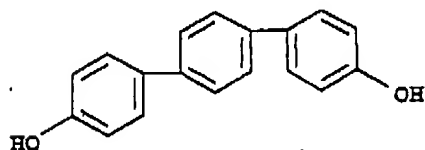


PAGE 1-B

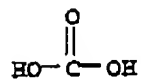


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol]
 and [1,1':4',1''-terphenyl]-4,4''-diol (9CI)
 MF (C18 H14 O2 . C17 H20 O2 . C H2 O3)x
 CI FMS

CM 1

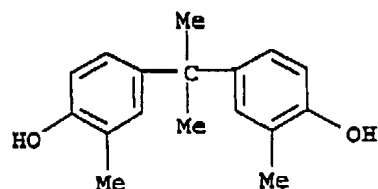


CM 2

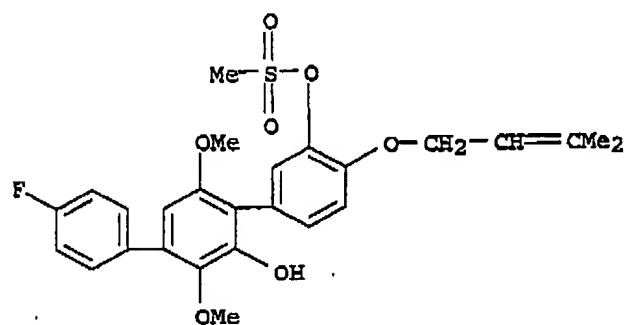


CM 3

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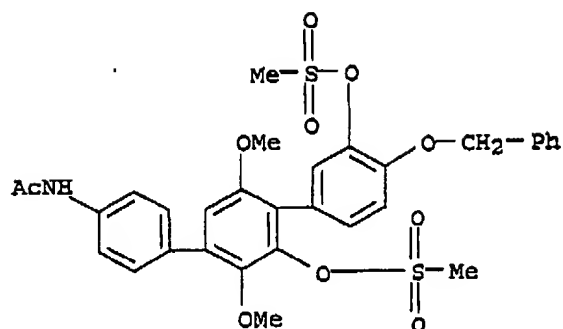
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN (1,1':4',1''-Terphenyl)-2',3-diol,
 4''-fluoro-3',6'-dimethoxy-4-[(3-methyl-
 2-butenyl)oxy]-, 3-methanesulfonate (9CI)
 MF C26 H27 F O7 S



* See Appendix 7

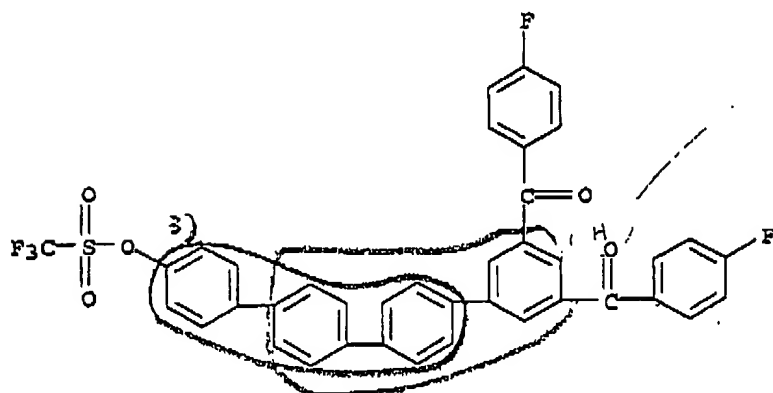
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Acetamide, N-[2',5'-dimethoxy-3',3''-bis[(methanesulfonyl)oxy]-4''-(
 phenylmethoxy)[1,1':4',1''-terphenyl]-4-yl]- (9CI)
 MF C31 H31 N O10 S2

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* See Appendix 4

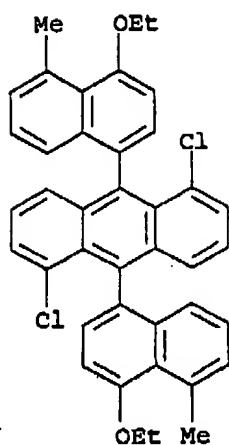
L3 50 ANSWERS 'REGISTRY COPYRIGHT 2001 ACS
 IN Methanesulfonic acid, trifluoro-, 3',5'-bis(4-fluorobenzoyl) [1,1':4',1'':4'',1''':4'''-quaterphenyl]-4-yl ester (9CI)
 MF C39 H23 F5 O5 S



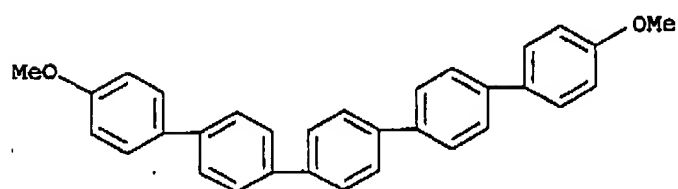
If this is regarded as $R^1, R^2 = H$
 This is not included in classes because of 3).

L3 50 ANSWERS 'REGISTRY COPYRIGHT 2001 ACS
 IN Anthracene, 1,5-dichloro-9,10-bis(4-ethoxy-5-methyl-1-naphthalenyl)-
 (9CI)
 MF C40 H32 Cl2 O2

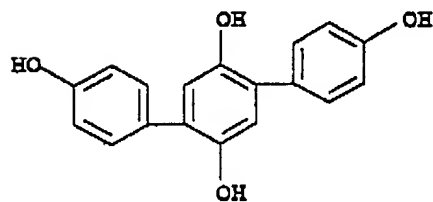
V. Balasubramanian



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1'';4'',1''':4''',1'''';4''''-Quinquephenyl, 4,4''''-dimethoxy- (9CI)
 MF C32 H26 O2



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',4,4'',5'-tetrol (9CI)
 MF C18 H14 O4
 CI COM



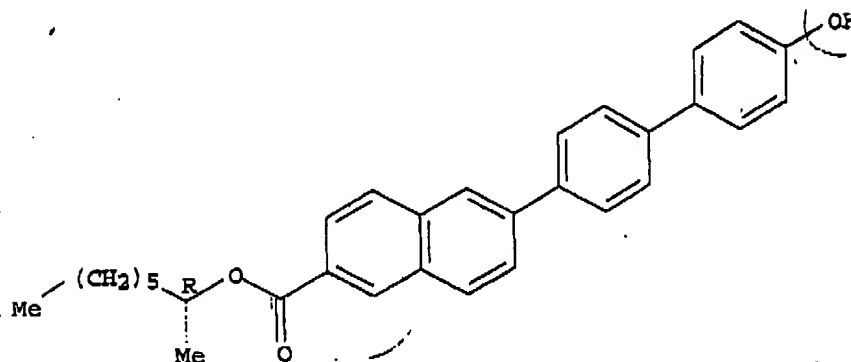
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

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IN 2-Naphthalenecarboxylic acid, 6-(4'-hydroxy[1,1'-biphenyl]-4-yl)-,
1-methylheptyl ester, (R)- (9CI)
MF C31 H32 O3

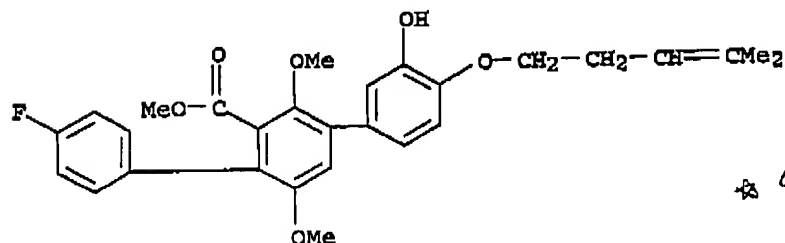
Absolute stereochemistry.



if this is regarded as R',
R² ~ R⁵ and R¹² are H.
This is not included in claims
because of 4)

if this is regarded as R', R¹² is H. This is not included in claims because of 5).

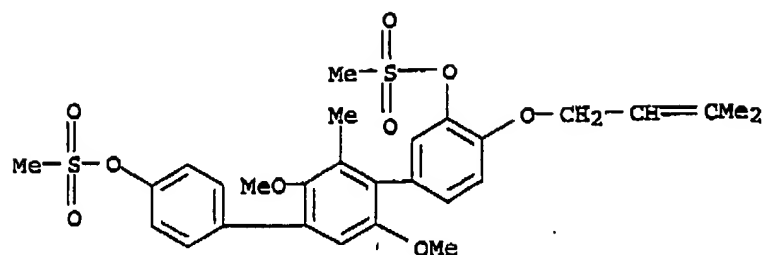
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2'-carboxylic acid, 4-fluoro-3''-hydroxy-3',6''-
dimethoxy-4''-[(4-methyl-3-pentenyl)oxy]-, methyl ester (9CI)
MF C28 H29 F O6



See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-3,4''-diol,
3',6''-dimethoxy-2'-methyl-4-[(3-methyl-
2-butenyl)oxy]-, dimethanesulfonate (9CI)
MF C28 H32 O9 S2

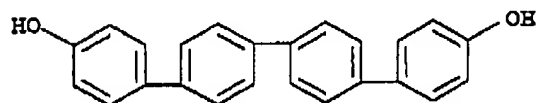
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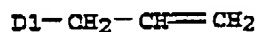
* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis[phenol] and
 ar'-2-propenyl[1,1':4',1'':4'',1''':4''',1''''-quaterphenyl]-4,4''''-diol (9CI)
 MF (C27 H22 O2 . C15 H16 O2 . C H2 O3)x
 CI PMS

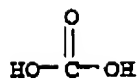
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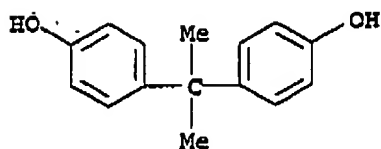
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CM 2



CM 3

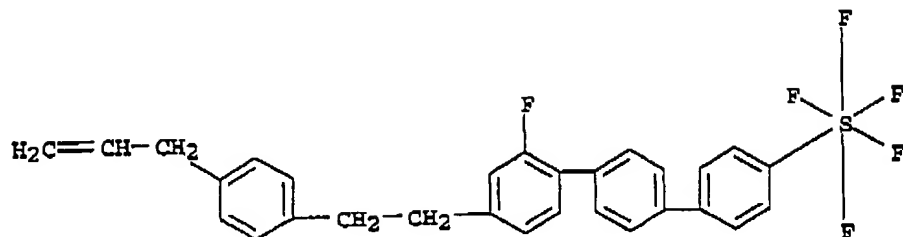


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Sulfur,
 pentafluoro[2''-fluoro-4''-[2-[4-(2-propenyl)phenyl]ethyl][1,1':4'

09/214,277

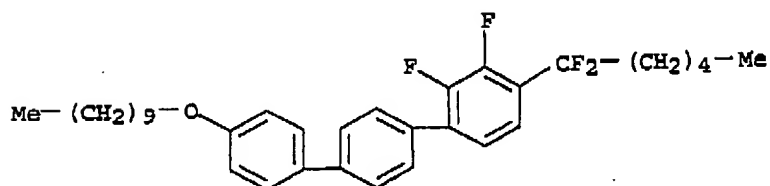
V. Balasubramanian

,1,1'-terphenyl]-4-yl]-, (OC-6-21)- (9CI)
 MF C29 H24 F6 S



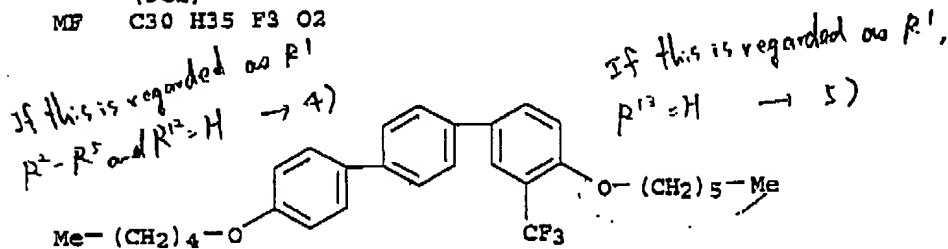
5)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 4''-(decyloxy)-4-(1,1-difluorohexyl)-2,3-difluoro- (9CI)
 MF C34 H42 F4 O



3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,1':4',1''-Terphenyl, 4-(hexyloxy)-4''-(pentyloxy)-3-(trifluoromethyl)- (9CI)
 MF C30 H35 F3 O2

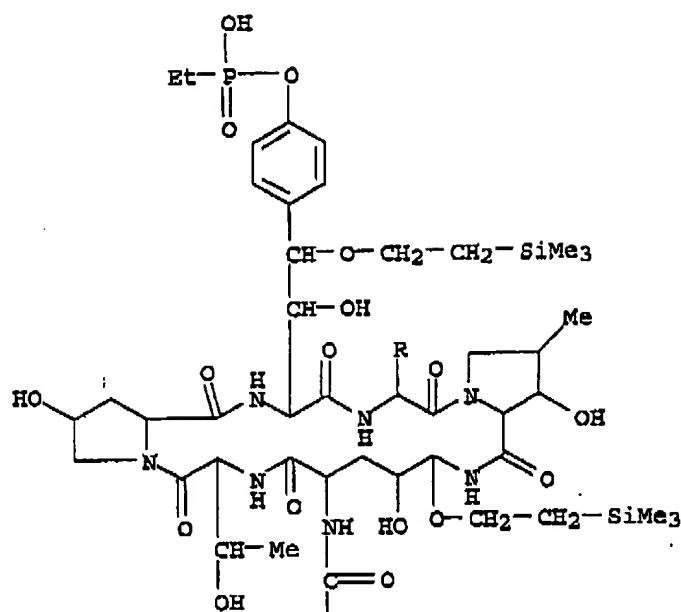


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Echinocandin B, 1-[(4R,5R)-4-hydroxy-N2-[(4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-5-[2-(trimethylsilyl)ethoxy]-L-ornithine]-4-[(S)-4-[4-[(ethylhydroxyphosphinyl)oxy]phenyl]-4-[2-(trimethylsilyl)ethoxy]-L-threonine]- (9CI)
 SQL 6
 MF C70 H102 N7 O19 P S12

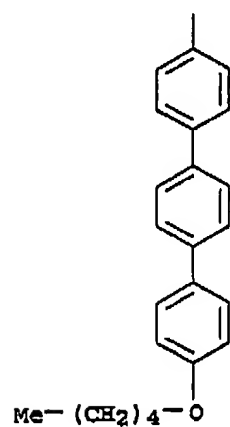
09/214,277

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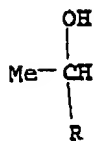
PAGE 2-A



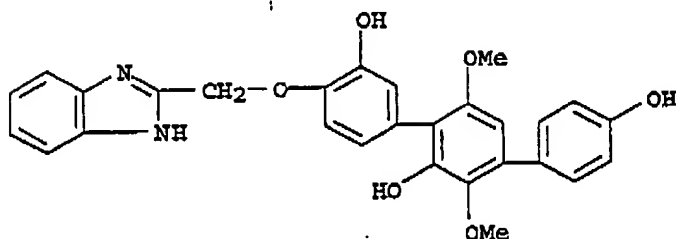
3)

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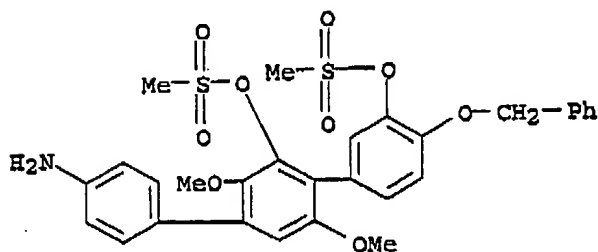


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 4-(1H-benzimidazol-2-ylmethoxy)-
 3',6'-dimethoxy- (9CI)
 MF C28 H24 N2 O6



* See Appendix 4

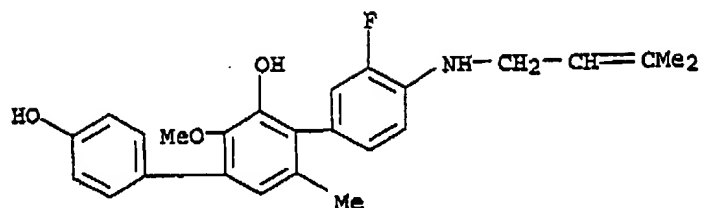
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',3-diol, 4''-amino-3',6'-dimethoxy-4-(phenylmethoxy)-, dimethanesulfonate (ester) (9CI)
 MF C29 H29 N O9 S2



* See Appendix 4

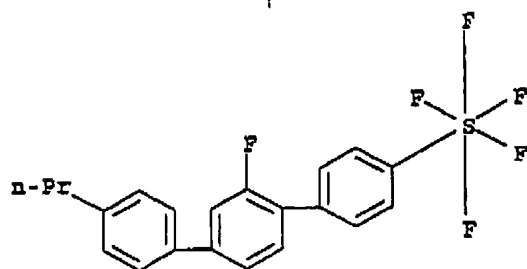
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-2',4''-diol, 3-fluoro-3'-methoxy-6'-methyl-4-[(3-methyl-2-butenyl)amino]- (9CI)
 MF C25 H26 F N O3

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* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Sulfur, pentafluoro(2'-fluoro-4''-propyl[1,1':4',1''-terphenyl]-4-yl)-,
 (OC-6-21)- (9CI)
 MF C21 H18 F6 S



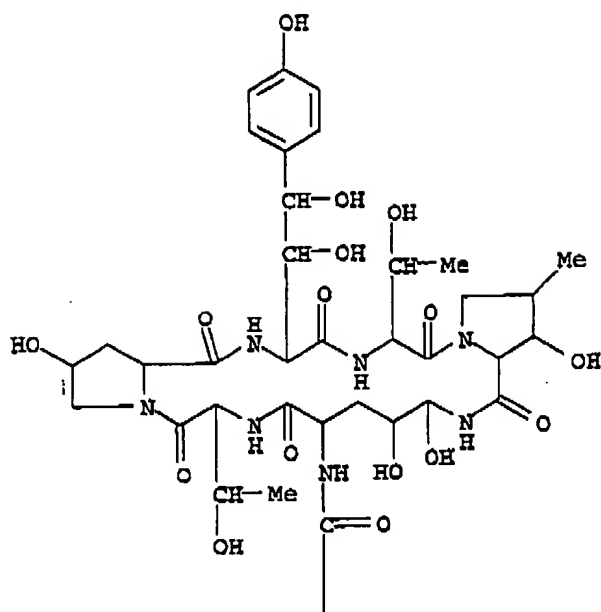
1)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Echinocandin B,
 1-[(4R,5R)-4,5-dihydroxy-N2-[[4''-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-, compd. with 4-O-.alpha.-D-glucopyranosyl-D-glucitol (1:1) (9CI)
 SQL 6
 MF C58 H73 N7 O17 . C12 H24 O11

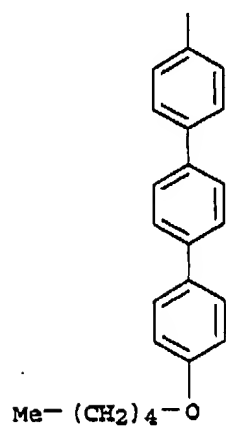
CM 1

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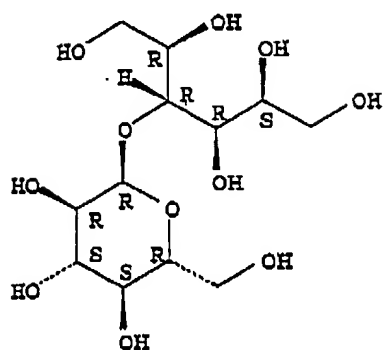
3)

CM 2

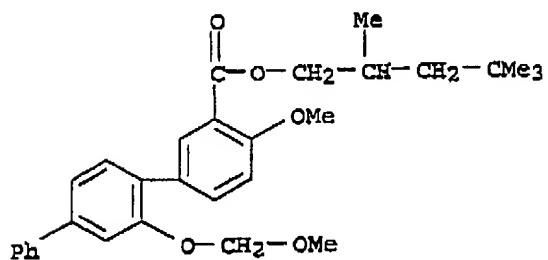
Absolute stereochemistry.

09/214,277

V. Balasubramanian



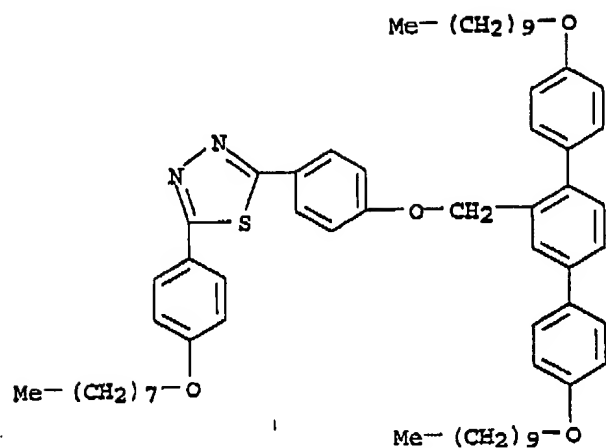
L3 50 ANSWERS : REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-3-carboxylic acid,
 4-methoxy-2'-(methoxymethoxy)-,
 2,4,4-trimethylpentyl ester (9CI)
 MF C30 H36 O5



5)
 $R^{1,2}$ = optionally substituted alkoxy carbonyl

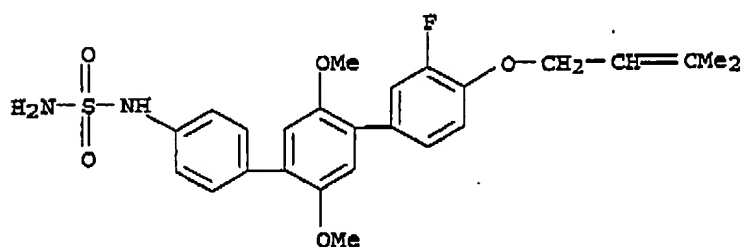
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1,3,4-Thiadiazole, 2-[4-[[4,4''-bis(decyloxy) [1,1':4',1''-terphenyl]-2'-yl]methoxy]phenyl]-5-[4-(octyloxy)phenyl]- (9CI)
 MF C61 H80 N2 O4 S

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5)
R¹³ = H

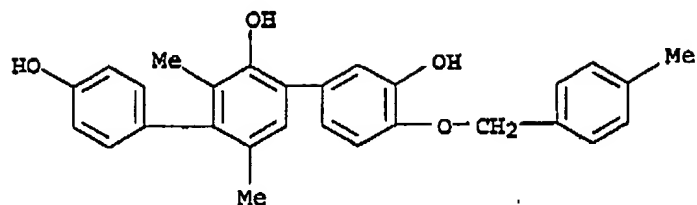
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Sulfamide, [3''-fluoro-2',5'-dimethoxy-4''-[(3-methyl-2-butenyl)oxy] [1,1':4',1''-terphenyl]-4-yl]- (9CI)
MF C25 H27 F N2 O5 S



See Appdx 4

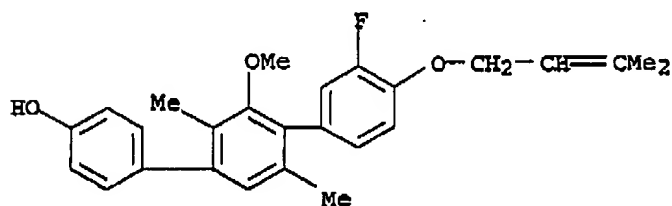
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol, 3',5'-dimethyl-4-[(4-methylphenyl)methoxy]- (9CI)
MF C28 H26 O4

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* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-ol,
 3''-fluoro-3'-methoxy-2',5'-dimethyl-4''-[(3-
 methyl-2-butenyl)oxy] - (9CI)
 MF C26 H27 F O3



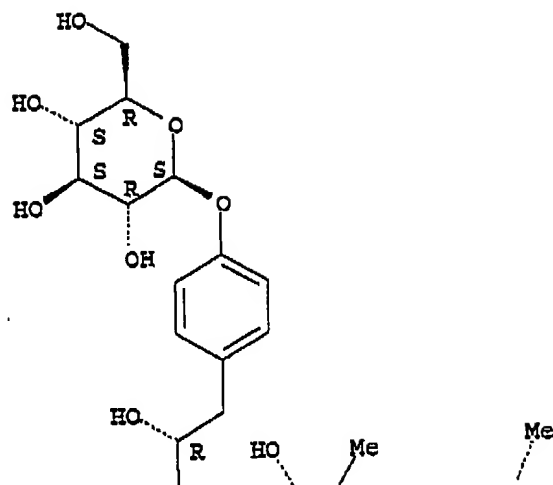
* See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Cilofungin,
 1-[(4R)-4-hydroxy-N2-[[4''-(pentyloxy) [1,1':4',1''-terphenyl]-
 4-yl]carbonyl]-L-ornithine]-4-[4-[4-(.beta.-D-glucopyranosyloxy)phenyl]-L-
 threonine] - (9CI)
 SQL 6
 MF C64 H83 N7 O20

Absolute stereochemistry.

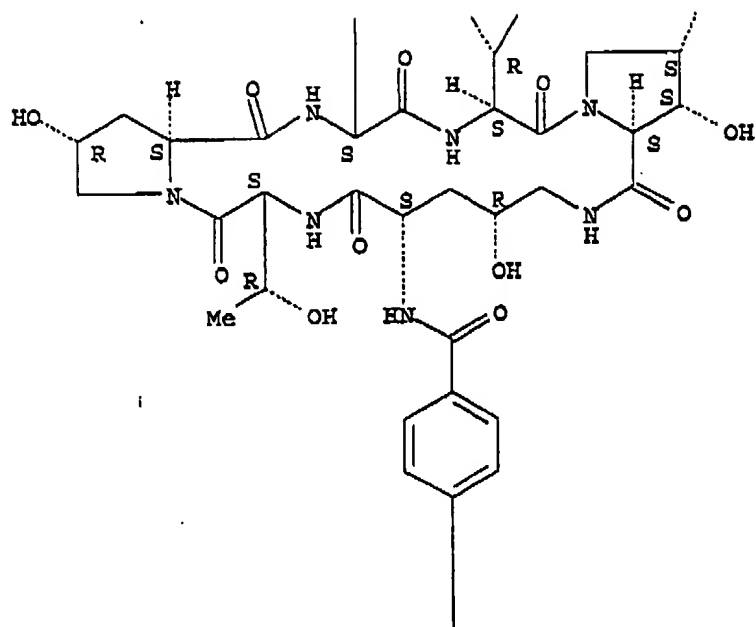
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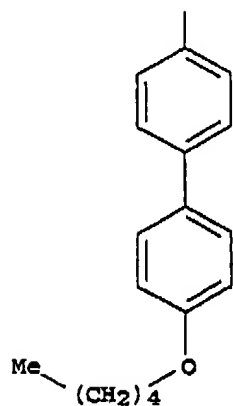
V. Balasubramanian

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3)

PAGE 3-A

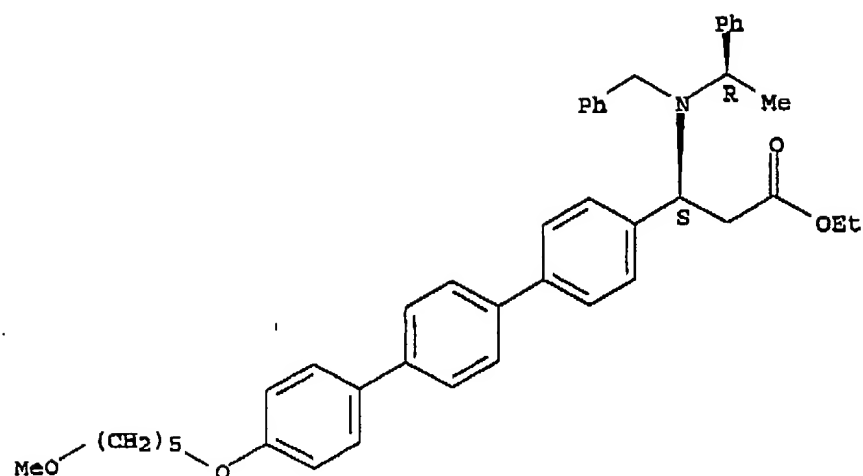


L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-propanoic acid, 4'''-[(5-methoxypentyl)oxy]-
 .beta.-[[[(1R)-1-phenylethyl](phenylmethyl)amino]-, ethyl ester,
 (.beta.S)-
 (9CI)
 MF C44 H49 N O4

09/214,277

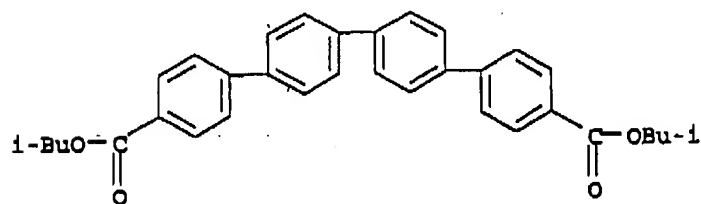
V. Balasubramanian

Absolute stereochemistry.



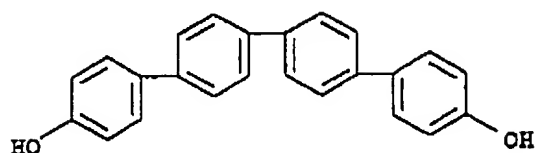
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1'':4'',1'''-Quaterphenyl]-4,4'''-dicarboxylic acid,
 bis(2-methylpropyl) ester, polymer with dimethyl hexanedioate,
 1,2-ethanediol and [1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diol (9CI)
 MF (C34 H34 O4 . C24 H18 O2 . C8 H14 O4 . C2 H6 O2)x
 CI PMS

CM 1



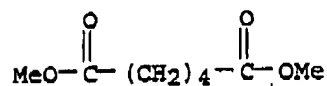
CM 2

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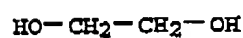


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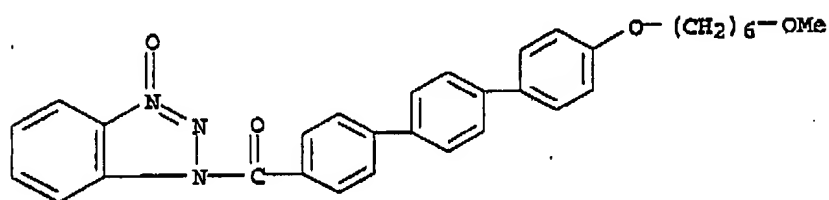
CM 3



CM 4



L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN 1H-Benzotriazole, 1-[[4'-[(6-methoxyhexyl)oxy][1,1':4',1''-terphenyl]-4-yl]carbonyl]-, 3-oxide (9CI)
 MF C32 H31 N3 O4



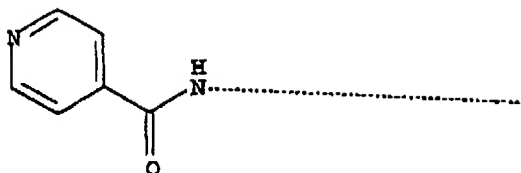
3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Echinocandin D, 1-[N2-[[4'-[(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[(.alpha.S)-.alpha.-amino-4-hydroxybenzenebutanoic acid]-6-[(4S)-4-[(4-pyridinylcarbonyl)amino]-L-proline]- (9CI)
 SQL 6
 MF C63 H75 N9 O13

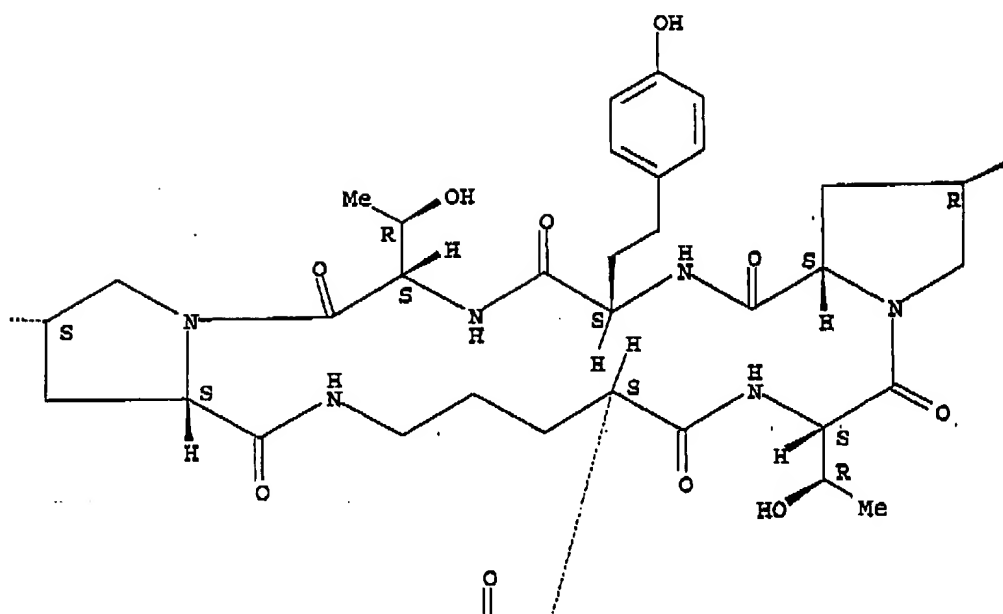
Absolute stereochemistry.

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PAGE 1-B



3)

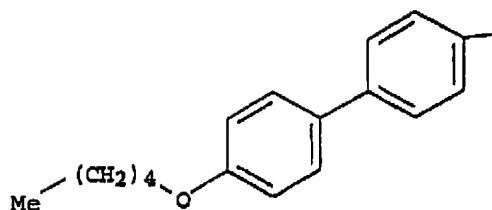
09/214,277

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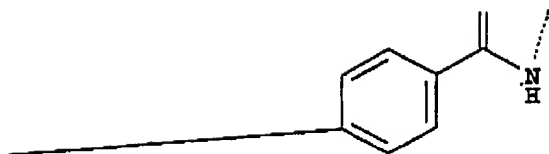
PAGE 1-C

OH

PAGE 2-A

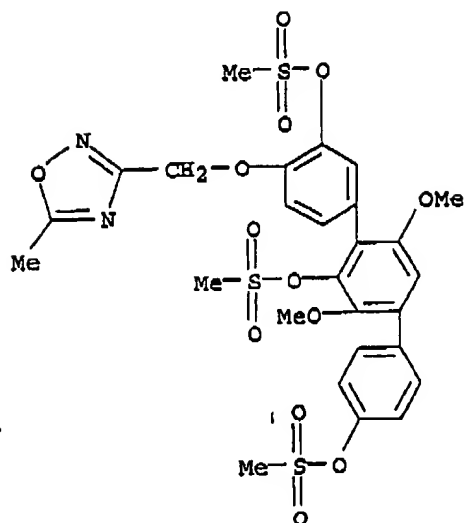


PAGE 2-B



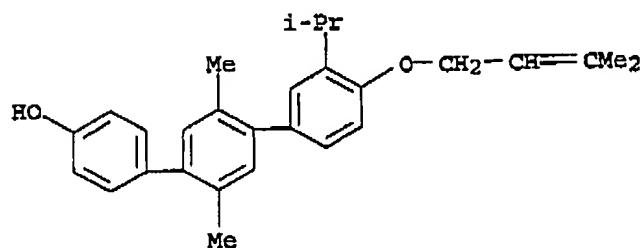
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN [1,1':4',1''-Terphenyl]-2',3,4''-triol,
3',6'-dimethoxy-4-[(5-methyl-1,2,4-
oxadiazol-3-yl)methoxy]-, trimethanesulfonate (ester) (9CI)
MF C27 H28 N2 O13 S3

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See Appendix 4

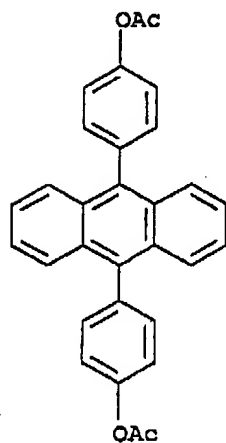
L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN [1,1':4',1''-Terphenyl]-4-ol,
 2',5'-dimethyl-4''-[(3-methyl-2-butenyl)oxy]-
 3''-(1-methylethyl) - (9CI)
 MF C28 H32 O2



See Appendix 4

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS
 IN Phenol, 4,4'-(9,10-anthracenediyl)bis-, diacetate (9CI)
 MF C30 H22 O4
 CI COM

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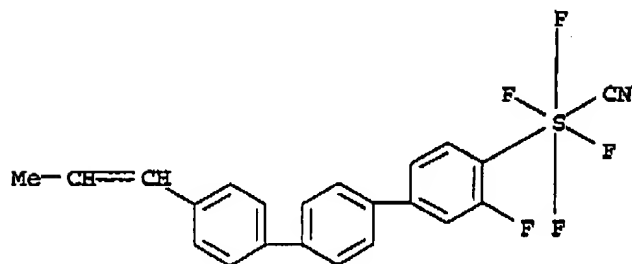
9)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN Sulfur,

(cyano-.kappa.C)tetrafluoro[3-fluoro-4''-(1-propenyl) [1,1':4',1''-terphenyl]-4-yl]- (9CI)

MF C22 H16 F5 N S



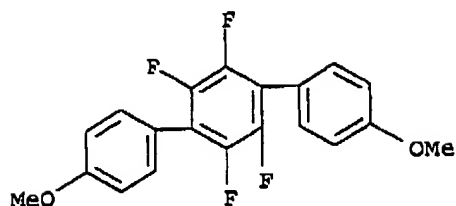
3)

L3 50 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 1,1':4',1''-Terphenyl, 2',3',5',6'-tetrafluoro-4,4''-dimethoxy- (9CI)

MF C20 H14 F4 O2

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2)

ALL ANSWERS HAVE BEEN SCANNED

=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE

ENTRY

0.62

TOTAL

SESSION

0.77

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STN INTERNATIONAL LOGOFF AT 10:04:05 ON 18 SEP 2001